SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B29 WORKING OF PLASTICS; WORKING OF SUBSTANCES IN A PLASTIC STATE IN GENERAL

Note(s) [4, 2010.01]

- 1. This class <u>does not cover</u> the working of plastics sheet material in a manner analogous to the working of paper, which is covered by class B31.
- 2. In this class, the following term is used with the meaning indicated:
 - "plastics" means macromolecular compounds or compositions based on such compounds.
- 3. In this class, the following rules apply:
 - a. The working of plastics is, as far as possible, classified primarily according to the particular shaping technique used, e.g. in subclass B29C.
 - b. Classification according to production of particular articles in subclass B29D is restricted to:
 - i. aspects which are characteristic for the production of a particular article, and not classifiable in subclass B29B or B29C;
 - ii. combined operations for making the particular article which are not fully classifiable in subclass B29C.
 - c. Products <u>per se</u> are not classified in this class. However, if a product is characterised by the way it is produced and not by its structure or composition, the production method should be classified in this class.
- 4. The codes of subclass B29K are <u>only</u> for use as indexing codes associated with subclasses B29B, B29C, or B29D so as to provide information concerning moulding materials or materials for reinforcements, fillers or preformed parts, e.g. inserts.
- 5. The codes of subclass B29L are <u>only</u> for use as indexing codes associated with subclass B29C, so as to provide information concerning the articles produced by the techniques classified in subclass B29C.

B29B PREPARATION OR PRETREATMENT OF THE MATERIAL TO BE SHAPED; MAKING GRANULES OR PREFORMS; RECOVERY OF PLASTICS OR OTHER CONSTITUENTS OF WASTE MATERIAL CONTAINING PLASTICS [4]

Note(s) [4]

In this subclass, it is desirable to add the indexing codes of subclass B29K.

Subclass index

PRETREATMENT Mixing; kneading	7/00
Conditioning	
Other pretreatment	15/00
MAKING GRANULES OR PREFORMS.	
RECOVERY OF PLASTICS	17/00

//00	wixing; Kneading (in general Bulf; combined with
	calendering B29C 43/24, with injection B29C 45/46,
	with extrusion B29C 47/36) [4, 2006.01]

- non-continuous, with mechanical mixing or kneading devices, i.e. batch type [4, 2006.01]
- 7/04 with non-movable mixing or kneading devices [4, 2006.01]
- 7/06 with movable mixing or kneading devices [4, 2006.01]
- 7/08 • shaking, oscillating or vibrating [4, 2006.01]
- 7/10 • rotary **[4, 2006.01]**
- 7/12 • with single shaft **[4, 2006.01]**
- 7/14 • • with screw or helix **[4, 2006.01]**
- 7/16 • • with paddles or arms **[4, 2006.01]**
- 7/18 • • with more than one shaft **[4, 2006.01]**
- 7/20 • • with intermeshing devices, e.g. screws **[4, 2006.01]**

- 7/22 Component parts, details or accessories; Auxiliary operations [4, 2006.01]
- 7/24 • for feeding **[4, 2006.01]**
- 7/26 • for discharging, e.g. doors [4, 2006.01]
- 7/28 • for measuring, controlling or regulating, e.g. viscosity control **[4, 2006.01]**
- 7/30 continuous, with mechanical mixing or kneading devices [4, 2006.01]
- 7/32 • with non-movable mixing or kneading devices [4, 2006.01]
- 7/34 • with movable mixing or kneading devices [4, 2006.01]
- 7/36 • shaking, oscillating or vibrating [4, 2006.01]
- 7/38 • rotary (B29B 7/52 takes precedence) **[4, 2006.01]**
- 7/40 • with single shaft **[4, 2006.01]**
- 7/42 • • with screw or helix **[4, 2006.01]**
- 7/44 • • with paddles or arms **[4, 2006.01]**

7/46	• • • • with more than one shaft [4, 2006.01]	9/14	• • fibre-reinforced [4, 2006.01]
7/48	• • • • with intermeshing devices, e.g. screws [4, 2006.01]	9/16	• Auxiliary treatment of granules [4, 2006.01]
7/50	• • • • with rotary casing [4, 2006.01]	11/00	Making preforms (B29C 61/06 takes
7/52	 • with rollers or the like, e.g. 		precedence) [4, 2006.01]
- · · ·	calenders [4, 2006.01]	11/02	 by dividing preformed material, e.g. sheets, rods [4, 2006.01]
7/54	• • • with a single roller co-operating with a	11/04	 by assembling preformed material [4, 2006.01]
F./F.C	stationary member [4, 2006.01]	11/06	 by moulding the material [4, 2006.01]
7/56	• • • with co-operating rollers [4, 2006.01]	11/08	 Injection moulding [4, 2006.01]
7/58	Component parts, details or accessories; Auxiliary A 2006 011	11/10	 Extrusion moulding [4, 2006.01]
7/60	operations [4, 2006.01]	11/10	Compression moulding [4, 2006.01]
7/60	 • for feeding, e.g. end guides for the incoming material [4, 2006.01] 	11/12	characterised by structure or
7/62	• • Rollers, e.g. with grooves [4, 2006.01]	11/14	composition [4, 2006.01]
7/64	• • Stripping the material from the	11/16	• • comprising fillers or reinforcements [4, 2006.01]
//04	rollers [4, 2006.01]		•
7/66	 Recycling the material [4, 2006.01] 	13/00	Conditioning or physical treatment of the material to
7/68	 Positioning of rollers [4, 2006.01] 	12/02	be shaped (chemical aspects C08J 3/00) [4, 2006.01]
7/70	 Conditioning of rollers, e.g. 	13/02	 by heating (B29B 13/06, B29B 13/08 take precedence) [4, 2006.01]
	cleaning [4, 2006.01]	13/04	• by cooling [4, 2006.01]
7/72	 Measuring, controlling or 	13/04	 by cooling [4, 2000.01] by drying (B29B 13/08 takes
	regulating [4, 2006.01]	13/00	precedence) [4, 2006.01]
7/74	using other mixers or combinations of dissimilar	13/08	 by using wave energy or particle
- /	mixers [4, 2006.01]	13/00	radiation [4, 2006.01]
7/76	• • with stream impingement mixing	13/10	 by grinding, e.g. by triturating; by sieving; by
7/70	head [4, 2006.01]		filtering [4, 2006.01]
7/78	• by gravity, e.g. falling particle mixers [4, 2006.01]		
7/80	Component parts, details or accessories; Auxiliary operations (B29B 7/22, B29B 7/58 take	15/00	Pretreatment of the material to be shaped, not
	precedence) [4, 2006.01]		covered by groups B29B 7/00-
7/82	 Heating or cooling [4, 2006.01] 	45.00	B29B 13/00 [4, 2006.01]
7/84	 Venting or degassing [4, 2006.01] 	15/02	• of crude rubber, gutta-percha, or similar substances
7/86	for working at sub- or superatmospheric		(tapping latex A01G; chemical aspects C08C) [4, 2006.01]
7700	pressure [4, 2006.01]	15/04	 Coagulating devices [4, 2006.01]
7/88	• • Adding charges [4, 2006.01]	15/04	 Washing devices [4, 2006.01]
7/90	• • • Fillers or reinforcements [4, 2006.01]	15/08	• of reinforcements or fillers (chemical aspects C08J,
7/92	• • • • Wood chips or wood fibres [4, 2006.01]	13/00	C08K) [4, 2006.01]
7/94	• • • Liquid charges [4, 2006.01]	15/10	 Coating or impregnating (applying liquids in general B05) [4, 2006.01]
9/00	Making granules (in general B01J; chemical aspects	15/12	• • of reinforcements of indefinite
	C08J 3/12) [4, 2006.01]	13/12	length [4, 2006.01]
9/02	 by dividing preformed material [4, 2006.01] 	15/14	• • • • of filaments or wires [4, 2006.01]
9/04	• • in the form of plates or sheets [4, 2006.01]		
9/06	 in the form of filamentary material, e.g. combined with extrusion [4, 2006.01] 	17/00	Recovery of plastics or other constituents of waste material containing plastics (chemical recovery
9/08	 by agglomerating smaller particles [4, 2006.01] 		C08J 11/00) [4, 2006.01]
9/10	• by moulding the material, i.e. treating it in the molten	17/02	• Separating plastics from other materials [4, 2006.01]
	state [4, 2006.01]	17/04	• Disintegrating plastics (B29B 9/02, B29B 11/02,
9/12	• characterised by structure or		B29B 13/10 take precedence) [2006.01]

B29C SHAPING OR JOINING OF PLASTICS; SHAPING OF SUBSTANCES IN A PLASTIC STATE, IN GENERAL; AFTER-TREATMENT OF THE SHAPED PRODUCTS, e.g. REPAIRING (working in the manner of metal B23; grinding, polishing B24; cutting B26D, B26F; making preforms B29B 11/00; making laminated products by combining previously unconnected layers which become one product whose layers will remain together B32B 37/00-B32B 41/00) [4]

Note(s) [4, 5]

1. Attention is drawn to Note (3) following the title of class B29.

composition [4, 2006.01]

- In this subclass:
 - repairing of articles made from plastics or substances in a plastic state, e.g. of articles shaped or produced by using techniques covered by this subclass or subclass B29D, is classified in group B29C 73/00;
 - component parts, details, accessories or auxiliary operations which are applicable to more than one moulding technique are classified in groups B29C 31/00 B29C 37/00;

- component parts, details, accessories or auxiliary operations which are only applicable or only of use for one specific shaping technique are classified only in the relevant subgroups of groups B29C 39/00 B29C 71/00.

 In this subclass, it is desirable to add the indexing codes of subclasses B29K and B29L.

Subclass index

Moulds or cores
Heating, cooling, curing35/00
Other features
MOULDING
by casting, by coating a mould
Compression moulding
by internal pressure
Injection moulding45/00
Extrusion moulding47/00
Blow-moulding49/00
Thermoforming51/00
OTHER SHAPING TECHNIQUES
Bending, folding, twisting, straightening, flattening
Stretching55/00
Liberation of internal stresses
Other techniques
JOINING
PARTICULAR APPLICATIONS
Shaping tube ends
Surface shaping59/00
Lining or sheathing
Shaping composites
COMBINATIONS OF SHAPING TECHNIQUES69/00
AFTER-TREATMENT
REPAIRING73/00

Compone	ent parts, details or accessories; Auxiliary	33/32	• • using magnetic means [4, 2006.01]
operation	<u>is [4]</u>	33/34	 movable, e.g. to or from the moulding
31/00 31/02 31/04 31/06	 Handling, e.g. feeding of the material to be shaped (in general B65G) [4, 2006.01] Dispensing from vessels, e.g. hoppers [4, 2006.01] Feeding, e.g. into a mould cavity (to presses in general B30B 15/30) [4, 2006.01] in measured doses (in general G01F) [4, 2006.01] 	33/36 33/38	 station [4, 2006.01] continuously movable [4, 2006.01] characterised by the material or the manufacturing process (B29C 33/44 takes precedence; manufacture of moulds or parts thereof from metal B22, B23) [4, 2006.01]
31/08	• • of preforms [4, 2006.01]	33/40 33/42	Plastics, e.g. foam, rubber [4, 2006.01]characterised by the shape of the moulding surface,
31/10	• • of several materials [4, 2006.01]	33/42	e.g. ribs, grooves [4, 2006.01]
33/00	Moulds or cores; Details thereof or accessories therefor [4, 2006.01]	33/44	 with means for, or specially constructed to facilitate, the removal of articles, e.g. of undercut articles [4, 2006.01]
33/02	 with incorporated heating or cooling means [4, 2006.01] 	33/46	• • using fluid pressure [4, 2006.01]
33/04	• using liquids, gas or steam [4, 2006.01]	33/48	 with means for collapsing or disassembling [4, 2006.01]
33/06	• • using radiation [4, 2006.01]	33/50	• • • elastic [4, 2006.01]
33/08	• • for dielectric heating [4, 2006.01]	33/52	• • soluble or fusible [4, 2006.01]
33/10 33/12	with incorporated venting means [4, 2006.01]with incorporated means for positioning inserts, e.g.	33/54	 made of powdered or granular material [4, 2006.01]
33/14	labels [4, 2006.01] • against the mould wall [4, 2006.01]	33/56	 Coatings; Releasing, lubricating or separating agents [4, 2006.01]
33/16	• • • using magnetic means [4, 2006.01]	33/58	 Applying the releasing agents [4, 2006.01]
33/18 33/20	• • using vacuum [4, 2006.01]• Opening, closing or clamping [4, 2006.01]	33/60	 Releasing, lubricating or separating agents [4, 2006.01]
33/22	 by rectilinear movement [4, 2006.01] 	33/62	• • based on polymers or oligomers [4, 2006.01]
33/24	• • using hydraulic or pneumatic	33/64	• • • Silicone [4, 2006.01]
	means [4, 2006.01]	33/66	• • • Cellulose; Derivatives thereof [4, 2006.01]
33/26	• • by pivotal movement [4, 2006.01]	33/68	• • Release sheets [4, 2006.01]
33/28	• • using hydraulic or pneumatic	33/70	• Maintenance [4, 2006.01]
	means [4, 2006.01]	33/72	• • Cleaning [4, 2006.01]
33/30	 Mounting, exchanging or centering [4, 2006.01] 		-

33/74	• • Denoising [4 2006 01]	20/20	• • Heating or cooling [4 2006 01]
00/50	• Repairing [4, 2006.01]	39/38	• • Heating or cooling [4, 2006.01]
33/76	Cores (B29C 33/02-B29C 33/70 take	39/40	Compensating volume change, e.g.
	precedence) [4, 2006.01]		retraction [4, 2006.01]
25/00	Heating cooling or curing a g crosslinking	39/42	 Casting under special conditions, e.g.
35/00	Heating, cooling or curing, e.g. crosslinking,		vacuum [4, 2006.01]
	vulcanising; Apparatus therefor (moulds with	39/44	 Measuring, controlling or regulating [4, 2006.01]
	incorporated heating or cooling means B29C 33/02;		
	curing devices for plastics dental prostheses	41/00	Shaping by coating a mould, core or other substrate,
	A61C 13/14; before moulding B29B 13/00; chemical		i.e. by depositing material and stripping-off the
DE (00	aspects C08J 3/00) [4, 2006.01]		shaped article; Apparatus therefor (with compacting
35/02	Heating or curing, e.g. crosslinking, vulcanising (cold		pressure B29C 43/00) [4, 2006.01]
	vulcanisation B29C 35/18) [4, 2006.01]	41/02	 for making articles of definite length, i.e. discrete
35/04	 using liquids, gas or steam [4, 2006.01] 		articles [4, 2006.01]
35/06	• • • for articles of indefinite length [4, 2006.01]	41/04	 Rotational or centrifugal casting, i.e. coating the
35/08	 by wave energy or particle radiation [4, 2006.01] 		inside of a mould by rotating the
35/10	 for articles of indefinite length [4, 2006.01] 		mould [4, 2006.01]
35/12	 Dielectric heating [4, 2006.01] 	41/06	 • about two or more axes [4, 2006.01]
35/14	• • • for articles of indefinite length [4, 2006.01]	41/08	 Coating a former, core or other substrate by
35/16	• Cooling [4, 2006.01]		spraying or fluidisation, e.g. spraying
35/18	• Cold vulcanisation [4, 2006.01]		powder [4, 2006.01]
55/10	Gold valcanisation [4, 2000.01]	41/10	• • • by fluidisation [4, 2006.01]
37/00	Component parts, details, accessories or auxiliary	41/12	Spreading-out the material on a
	operations, not covered by group B29C 33/00 or		substrate [4, 2006.01]
	B29C 35/00 [4, 2006.01]	41/14	 Dipping a core [4, 2006.01]
37/02	Deburring or deflashing (by grinding or polishing	41/16	 Slip casting, i.e. applying a slip or slurry on a
57702	B24B) [4, 2006.01]	41/10	perforated or porous or absorbent surface with the
37/04	of welded articles, e.g. deburring or deflashing in		liquid being drained away [4, 2006.01]
37704	combination with welding [4, 2006.01]	41/18	Slush casting, i.e. pouring moulding material into
	combination with weiting [4, 2000.01]	41/10	a hollow mould with excess material being poured
			off [4, 2006.01]
Particula	r shaping techniques, e.g. moulding, joining;	41/20	 incorporating preformed parts or layers, e.g.
	us therefor [4]	41/20	moulding around inserts or for coating
			articles [4, 2006.01]
39/00	Shaping by casting, i.e. introducing the moulding	41/22	Making multilayered or multicoloured
	material into a mould or between confining surfaces	41/22	articles [4, 2006.01]
	without significant moulding pressure; Apparatus	41/24	
	therefor (B29C 41/00 takes precedence) [4, 2006.01]		• for making articles of indefinite length [4, 2006.01]
39/02	 for making articles of definite length, i.e. discrete 	41/26	by depositing flowable material on a rotating
	articles [4, 2006.01]		drum [4, 2006.01]
	articles [4, 2000.01]	44 /00	1 1 (1 11 1
39/04	• using movable moulds (B29C 41/02 takes	41/28	by depositing flowable material on an endless by 1/4 2006 011
39/04			belt [4, 2006.01]
39/04 39/06	• • using movable moulds (B29C 41/02 takes	41/28 41/30	belt [4, 2006.01]incorporating preformed parts or layers, e.g.
	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] 		 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating
39/06	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] 	41/30	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01]
	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by 		 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured
39/06 39/08	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] 	41/30 41/32	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01]
39/06	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. 	41/30	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary
39/06 39/08	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating 	41/30 41/32 41/34	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01]
39/06 39/08 39/10	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] 	41/30 41/32	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other
39/06 39/08	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured 	41/30 41/32 41/34	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01]
39/06 39/08 39/10 39/12	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] 	41/30 41/32 41/34	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other
39/06 39/08 39/10 39/12 39/14	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] 	41/32 41/34 41/36	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01]
39/06 39/08 39/10 39/12 39/14	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. 	41/32 41/34 41/36 41/38	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating 	41/32 41/34 41/36 41/38 41/40 41/42	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16 39/18	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16 39/18	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g.
39/06 39/08 39/10 39/12 39/14 39/16 39/18	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46 41/48	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g.
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material into the mould [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46 41/48 41/50	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46 41/48	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g.
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26 39/28	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] with means to avoid flashes [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/46 41/48 41/50 41/52	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01]
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/44 41/46 41/48 41/50	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01] Compression moulding, i.e. applying external
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26 39/28	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] with means to avoid flashes [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/46 41/48 41/50 41/52	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01] Compression moulding, i.e. applying external pressure to flow the moulding material; Apparatus
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26 39/28 39/30	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] with means to avoid flashes [4, 2006.01] with means for cutting the article [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/46 41/48 41/50 41/52	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01] Compression moulding, i.e. applying external pressure to flow the moulding material; Apparatus therefor (shaping or impregnating by compression
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26 39/28 39/30	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] with means to avoid flashes [4, 2006.01] with means for cutting the article [4, 2006.01] with joints or the like for making the mould 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/46 41/48 41/50 41/52	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01] Measuring or impregnating by compression composites comprising reinforcements other than fibres
39/06 39/08 39/10 39/12 39/14 39/16 39/18 39/20 39/22 39/24 39/26 39/28 39/30 39/32	 using movable moulds (B29C 41/02 takes precedence) [4, 2006.01] continuously movable, e.g. along a production line [4, 2006.01] Introducing the material into the mould by centrifugal force [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] for making articles of indefinite length [4, 2006.01] between endless belts [4, 2006.01] incorporating preformed parts or layers, e.g. casting around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Feeding the material into the mould [4, 2006.01] Moulds or cores [4, 2006.01] with means to avoid flashes [4, 2006.01] with means for cutting the article [4, 2006.01] with joints or the like for making the mould impervious [4, 2006.01] 	41/30 41/32 41/34 41/36 41/38 41/40 41/42 41/46 41/48 41/50 41/52	 belt [4, 2006.01] incorporating preformed parts or layers, e.g. moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary operations [4, 2006.01] Feeding the material on to the mould, core or other substrate [4, 2006.01] Moulds, cores or other substrates [4, 2006.01] Cores [4, 2006.01] Removing articles from moulds, cores or other substrates [4, 2006.01] Articles of indefinite length [4, 2006.01] Heating or cooling [4, 2006.01] Compensating volume change, e.g. retraction [4, 2006.01] Shaping under special conditions, e.g. vacuum [4, 2006.01] Measuring, controlling or regulating [4, 2006.01] Compression moulding, i.e. applying external pressure to flow the moulding material; Apparatus therefor (shaping or impregnating by compression

42 /02			
43/02	• of articles of definite length, i.e. discrete articles [4, 2006.01]	44/22	• • consisting of at least two parts of chemically or physically different materials, e.g. having different
43/04	 using movable moulds [4, 2006.01] 		densities [6, 2006.01]
43/06	• • • continuously movable [4, 2006.01]	44/24	Making multilayered articles [6, 2006.01]
43/08	• • • • with circular movement [4, 2006.01]	44/26	 using several expanding steps [6, 2006.01]
43/10	Isostatic pressing, i.e. using non-rigid pressure-	44/28	 Expanding the moulding material on continuous moving surfaces [6, 2006.01]
	exerting members against rigid parts or dies [4, 2006.01]	44/30	• • Expanding the moulding material between endless
43/12	 using bags surrounding the moulding material [4, 2006.01] 	44/32	belts or rollers [6, 2006.01]Incorporating or moulding on preformed parts, e.g.
43/14	• • in several steps [4, 2006.01]		linings, inserts, reinforcements [6, 2006.01]
43/16	• • Forging [4, 2006.01]	44/34	Component parts, details or accessories; Auxiliary
43/18	 incorporating preformed parts or layers, e.g. 	44/00	operations [6, 2006.01]
	compression moulding around inserts or for	44/36	• • Feeding the material to be shaped [6, 2006.01]
42 /20	coating articles [4, 2006.01]	44/38	 • into a closed space, i.e. to make articles of definite length [6, 2006.01]
43/20	 Making multilayered or multicoloured articles [4, 2006.01] 	44/40	• • • by gravity, e.g. by casting [6, 2006.01]
43/22	• of articles of indefinite length [4, 2006.01]	44/42	• • • using pressure difference, e.g. by injection,
43/24	• Calendering [4, 2006.01]	44/42	by vacuum [6, 2006.01]
43/24	• in several steps (B29C 43/30 takes	44/44	• • • • in the form of expandable particles or
	precedence) [4, 2006.01]		beads [6, 2006.01]
43/28	• • incorporating preformed parts or layers, e.g.	44/46	• • into an open space or onto moving surfaces, i.e. to make articles of indefinite
	compression moulding around inserts or for coating articles [4, 2006.01]		length [6, 2006.01]
43/30	Making multilayered or multicoloured	44/48	• • • by gravity, e.g. casting onto, or between,
	articles [4, 2006.01]		moving surfaces [6, 2006.01]
43/32	 Component parts, details or accessories; Auxiliary operations [4, 2006.01] 	44/50	• • • using pressure difference, e.g. by extrusion, by spraying [6, 2006.01]
43/34	Feeding the material to the mould or the	44/52	• • • • between moving surfaces [6, 2006.01]
40.40.0	compression means [4, 2006.01]	44/54	• • • in the form of expandable particles or
43/36	 Moulds for making articles of definite length, i.e. discrete articles [4, 2006.01] 	44/56	beads [6, 2006.01]• After-treatment of articles, e.g. for altering the
43/38	• • • with means to avoid flashes [4, 2006.01]		shape [6, 2006.01]
43/40	• • • with means for cutting the article [4, 2006.01]	44/58	• • Moulds [6, 2006.01]
43/40	with means for cutting the article 14, 2000.011		
43/40		44/60	Measuring, controlling or regulating [6, 2006.01]
	• • • for undercut articles [4, 2006.01]	44/60	• • Measuring, controlling or regulating [6, 2006.01]
43/42 43/44	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] 		 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed
43/42 43/44 43/46	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] 	44/60	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding
43/42 43/44 43/46 43/48	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] 	44/60 45/00	• • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01]
43/42 43/44 43/46 43/48 43/50	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] 	44/60	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required
43/42 43/44 43/46 43/48 43/50 43/52	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] 	44/60 45/00	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a
43/42 43/44 43/46 43/48 43/50 43/52 43/54	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] 	44/60 45/00	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding
43/42 43/44 43/46 43/48 43/50 43/52	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, 	44/60 45/00 45/02 45/03	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] 	44/60 45/00 45/02 45/03 45/04	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] • using movable moulds (B29C 45/08 takes precedence) [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56	 • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • Rollers [4, 2006.01] • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] • using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] • on a turntable [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the 	44/60 45/00 45/02 45/03 45/04 45/06 45/07	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] • using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] • on a turntable [4, 2006.01] • using movable injection units [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete 	44/60 45/00 45/02 45/03 45/04 45/06	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] • using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] • on a turntable [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08	 • Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] • Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] • Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] • using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] • on a turntable [4, 2006.01] • using movable injection units [4, 2006.01] • moving with the mould during the injection operation [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • using several expanding steps [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • using several expanding steps [6, 2006.01] • Applying counter-pressure during 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01]
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • Making several expanding steps [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04 44/04 44/04 44/04 44/08 44/10	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] • Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • • Making multilayered articles [6, 2006.01] • • Making several expanding steps [6, 2006.01] • • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. inserts, reinforcements [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13 45/14	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating articles [4, 2006.01]
43/42 43/44 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04 44/04 44/04 44/10 44/10 44/12	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] • Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • • Making multilayered articles [6, 2006.01] • • Making multilayered articles [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. inserts, reinforcements [6, 2006.01] • the preformed part being a lining [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04 44/04 44/04 44/04 44/08 44/10	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • Making multilayered articles [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. inserts, reinforcements [6, 2006.01] • the preformed part being a lining [6, 2006.01] • shaped by the expansion of the 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13 45/14	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01]
43/42 43/44 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04 44/04 44/04 44/10 44/10 44/12	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • Making multilayered articles [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. inserts, reinforcements [6, 2006.01] • the preformed part being a lining [6, 2006.01] • shaped by the expansion of the material [6, 2006.01] 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13 45/14	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01] Component parts, details or accessories; Auxiliary
43/42 43/44 43/46 43/48 43/50 43/52 43/54 43/56 43/58 44/00 44/02 44/04 44/04 44/04 44/10 44/12 44/14 44/16	 • • for undercut articles [4, 2006.01] • Compression means for making articles of indefinite length [4, 2006.01] • • Rollers [4, 2006.01] • • Endless belts [4, 2006.01] • • Removing moulded articles [4, 2006.01] • Heating or cooling [4, 2006.01] • Compensating volume change, e.g. retraction [4, 2006.01] • Compression moulding under special conditions, e.g. vacuum [4, 2006.01] • Measuring, controlling or regulating [4, 2006.01] Shaping by internal pressure generated in the material, e.g. swelling, foaming [6, 2006.01] • for articles of definite length, i.e. discrete articles [6, 2006.01] • consisting of at least two parts of chemically or physically different materials, e.g. having different densities [6, 2006.01] • Making multilayered articles [6, 2006.01] • Making multilayered articles [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Applying counter-pressure during expanding [6, 2006.01] • Incorporating or moulding on preformed parts, e.g. inserts, reinforcements [6, 2006.01] • the preformed part being a lining [6, 2006.01] • shaped by the expansion of the 	44/60 45/00 45/02 45/03 45/04 45/06 45/07 45/08 45/10 45/12 45/13 45/14	 Measuring, controlling or regulating [6, 2006.01] Injection moulding, i.e. forcing the required volume of moulding material through a nozzle into a closed mould; Apparatus therefor (injection blow-moulding B29C 49/06) [4, 2006.01] Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity [4, 2006.01] Injection moulding apparatus (transfer moulding B29C 45/02) [4, 2006.01] using movable moulds (B29C 45/08 takes precedence) [4, 2006.01] on a turntable [4, 2006.01] moving with the mould during the injection operation [4, 2006.01] using moulds or injection units usable in different arrangements or combinations to each other [4, 2006.01] using two or more fixed moulds, e.g. in tandem [4, 2006.01] using two or more injection units co-operating with a single mould [4, 2006.01] incorporating preformed parts or layers, e.g. injection moulding around inserts or for coating articles [4, 2006.01] Making multilayered or multicoloured articles [4, 2006.01]

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45/20	 Injection nozzles [4, 2006.01] 	45/84	• • Safety devices [4, 2006.01]
45/22	• • • Multiple nozzle systems [4, 2006.01]	4= (00	
45/23	• • • Feed stopping equipment [4, 2006.01]	47/00	Extrusion moulding, i.e. expressing the moulding
45/24	 Cleaning equipment [4, 2006.01] 		material through a die or nozzle which imparts the desired form; Apparatus therefor (extrusion blow-
45/26	 Moulds [4, 2006.01] 		moulding B29C 49/04; extrusion presses in general
45/27	• • • Sprue channels [4, 2006.01]		B30B 11/22) [4, 2006.01]
45/28	• • • Closure devices therefor [4, 2006.01]	47/02	 incorporating preformed parts or layers, e.g.
45/30	 • • • Flow control means disposed within the 		extrusion moulding around inserts or for coating
	sprue channel, e.g. "torpedo"		articles [4, 2006.01]
	construction [4, 2006.01]	47/04	• of multilayered or multicoloured articles [4, 2006.01]
45/32	 having several axially spaced mould 	47/06	 • Multilayered articles [4, 2006.01]
	cavities [4, 2006.01]	47/08	Component parts, details or accessories; Auxiliary
45/33	 having transversely, e.g. radially, movable 		operations [4, 2006.01]
	mould parts [4, 2006.01]	47/10	• • Feeding the material to the extruder [4, 2006.01]
45/34	 having venting means [4, 2006.01] 	47/12	• • Extrusion nozzles or dies [4, 2006.01]
45/36	 having means for locating or centering 	47/14	• • • with broad opening, e.g. for sheets [4, 2006.01]
	cores [4, 2006.01]	47/16	• • • • adjustable [4, 2006.01]
45/37	 Mould cavity walls [4, 2006.01] 	47/18	• • • • with die parts oscillating relative to each
45/38	 Cutting-off equipment for sprues or 		other [4, 2006.01]
	ingates [4, 2006.01]	47/20	• • with annular opening, e.g. for tubular
45/40	Removing or ejecting moulded		articles [4, 2006.01]
.=	articles [4, 2006.01]	47/22	• • • • adjustable [4, 2006.01]
45/42	• • using means movable from outside the mould	47/24	• • • • with die parts rotatable relative to each
45 / 40	between mould parts [4, 2006.01]		other [4, 2006.01]
45/43	• • • using fluid under pressure [4, 2006.01]	47/26	• • • Multiple annular extrusion
45/44			nozzles [4, 2006.01]
45/46	Means for plasticising or homogenising the	47/28	Cross-head annular extrusion
	moulding material or forcing it into the		nozzles [4, 2006.01]
45 / 47	mould [4, 2006.01]	47/30	• • • Multi-port extrusion nozzles [4, 2006.01]
45/47	• • • using screws (B29C 45/54 takes precedence) [4, 2006.01]	47/32	• • • Roller-extrusion nozzles [4, 2006.01]
45/48	• • • Plasticising screw and injection	47/34	• • Conveyors for extruded material [4, 2006.01]
43/40	screw [4, 2006.01]	47/36	 Means for plasticising or homogenising the
45/50	• • • • Axially movable screw [4, 2006.01]		moulding material or forcing it through the nozzle
45/52	• • • • Non-return devices [4, 2006.01]		or die [4, 2006.01]
45/53	• • • using injection ram or piston [4, 2006.01]	47/38	• • • using screws [4, 2006.01]
45/54	• • • and plasticising screw [4, 2006.01]	47/40	 • • using at least two intermeshing
			screws [4, 2006.01]
45/56	 using mould parts movable during or after injection, e.g. injection-compression 	47/42	• • • • using sub-screws, e.g. planetary
	moulding [4, 2006.01]		screws [4, 2006.01]
45/57	Exerting after-pressure on the moulding		• • • using axially movable screws [4, 2006.01]
.0,0,	material [4, 2006.01]	47/46	• • • using screws extruding in opposite
45/58	• • • Details [4, 2006.01]	.=	directions [4, 2006.01]
45/60	• • • Screws [4, 2006.01]	47/48	• • • using screws arranged coaxially, one within
45/62	• • • Barrels or cylinders [4, 2006.01]	47/50	the other [4, 2006.01]
45/63	• • • • Venting or degassing means [4, 2006.01]	47/50	• • • using at least two screws, one after the other, e.g. multi-stage plasticisers [4, 2006.01]
45/64	Mould opening, closing or clamping	47/52	
	devices [4, 2006.01]	47/52 47/54	using rollers or discs [4, 2006.01]using press rams or pistons [4, 2006.01]
45/66	• • • mechanical [4, 2006.01]		
45/67	• • • hydraulic [4, 2006.01]	47/56	• • using more than one extruder to feed one die [4, 2006.01]
45/68	• • hydro-mechanical [4, 2006.01]	47/58	• • • Details [4, 2006.01]
45/70	Means for plasticising or homogenising the	47/60	• • • • Screws [4, 2006.01]
.57.70	moulding material or forcing it into the mould,	47/60	
	combined with mould opening, closing or	47/02	• • • • having more than one screw- thread [4, 2006.01]
	clamping devices [4, 2006.01]	47/64	• • • • having incorporated mixing
45/72	 Heating or cooling [4, 2006.01] 	47704	devices [4, 2006.01]
45/73	• • • of the mould [4, 2006.01]	47/66	• • • • Barrels or cylinders [4, 2006.01]
45/74	• • • of the injection unit [4, 2006.01]	47/68	• • • • Filters [4, 2006.01]
45/76	 Measuring, controlling or regulating [4, 2006.01] 	47/00	• • • • Flow dividers [4, 2006.01]
45/77	• • of velocity or pressure of moulding	47/70 47/72	• • • Feedback means [4, 2006.01]
	material [4, 2006.01]	47/74	• • • By-pass means [4, 2006.01]
45/78	• • • of temperature [4, 2006.01]	47/74 47/76	• • • Venting or degassing means [4, 2006.01]
45/80	• • • of relative position of mould parts [4, 2006.01]		
45/82	• • • Hydraulic circuits [4, 2006.01]	47/78	 Heating or cooling the material to be extruded or the stream of extruded material [4, 2006.01]
45/83	• • Lubricating means [4, 2006.01]	47/80	• • at plasticising zone [4, 2006.01]
		4//00	at plasticising zone [4, 2000.01]

47/82	• • • • Heating the cylinders [4, 2006.01]	49/76	 Neck calibration [4, 2006.01]
47/84	• • • • Heating the screws [4, 2006.01]	49/78	• • Measuring, controlling or regulating [4, 2006.01]
47/86	• • • at nozzle zone [4, 2006.01]	49/80	 Testing, e.g. for leaks [4, 2006.01]
47/88	 • Heating or cooling the stream of extruded material [4, 2006.01] 	51/00	Shaping by thermoforming, e.g. shaping sheets in
47/90	• • • with calibration or sizing [4, 2006.01]		matched moulds or by deep-drawing; Apparatus
47/92	 Measuring, controlling or regulating [4, 2006.01] 	E4 /0D	therefor [4, 2006.01]
47/94	• • Lubricating [4, 2006.01]	51/02	Combined thermoforming and manufacture of the proform IA 2006 011.
47/96	• • Safety devices [4, 2006.01]	E1 /O4	preform [4, 2006.01]
	•	51/04	 Combined thermoforming and prestretching, e.g. biaxial stretching [4, 2006.01]
49/00	Blow-moulding, i.e. blowing a preform or parison to	51/06	 using pressure difference [4, 2006.01]
	a desired shape within a mould; Apparatus therefor [4, 2006.01]	51/08	 Deep-drawing or matched-mould forming, i.e. using
49/02	Combined blow-moulding and manufacture of the	31/00	mechanical means only [4, 2006.01]
43/02	preform or the parison [4, 2006.01]	51/10	 Forming by pressure difference, e.g.
49/04	 Extrusion blow-moulding [4, 2006.01] 		vacuum [4 , 2006.01]
49/06	• • Injection blow-moulding [4, 2006.01]	51/12	 of articles having inserts or
49/08	Biaxial stretching during blow-moulding [4, 2006.01]		reinforcements [4, 2006.01]
49/10	• • using mechanical means [4, 2006.01]	51/14	 using multilayered preforms or sheets [4, 2006.01]
49/12	• • • Stretching rods [4, 2006.01]	51/16	 Lining or labelling [4, 2006.01]
49/14	• • • Clamps [4, 2006.01]	51/18	 Thermoforming apparatus [4, 2006.01]
49/16	using pressure difference, e.g. pre-	51/20	 having movable moulds or mould
	blowing [4, 2006.01]		parts [4, 2006.01]
49/18	 using several blowing steps (B29C 49/16 takes 	51/22	• • • rotatable about an axis [4, 2006.01]
	precedence) [4, 2006.01]	51/24	• • mounted on movable endless
49/20	 of articles having inserts or 	E1 /DC	supports [4, 2006.01]
	reinforcements [4, 2006.01]	51/26	 Component parts, details or accessories; Auxiliary operations [4, 2006.01]
49/22	• using multilayered preforms or parisons [4, 2006.01]	51/28	 for applying pressure through the wall of an
49/24	• Lining or labelling [4, 2006.01]	31/20	inflated bag or diaphragm [4, 2006.01]
49/26	• • inner lining of tubes [4, 2006.01]	51/30	• • Moulds [4, 2006.01]
49/28	Blow-moulding apparatus [4, 2006.01]	51/32	• • • having cutting means [4, 2006.01]
49/30	having movable moulds or mould	51/34	• • • for undercut articles [4, 2006.01]
49/32	parts [4, 2006.01] • • • moving "to and fro" [4, 2006.01]	51/36	• • specially adapted for vacuum
49/34	• • • the mould parts moving "hand-over-		forming [4, 2006.01]
43/34	hand" [4, 2006.01]	51/38	 Opening, closing or clamping
49/36	• • • rotatable about one axis [4, 2006.01]		means [4, 2006.01]
49/38	• • mounted on movable endless	51/40	• • • Venting means [4, 2006.01]
	supports [4, 2006.01]	51/42	 Heating or cooling [4, 2006.01]
49/40	• • • • on co-operating drums [4, 2006.01]	51/44	Removing or ejecting moulded
49/42	 Component parts, details or accessories; Auxiliary 	E1 / 4C	articles [4, 2006.01]
40 / 4.4	operations [4, 2006.01]	51/46	Measuring, controlling or regulating [4, 2006.01]
49/44	 for applying pressure through the walls of an inflated bag [4, 2006.01] 	53/00	Shaping by bending, folding, twisting, straightening
49/46	characterised by using particular environment or		or flattening; Apparatus therefor (B29C 61/10 takes
43/40	blow fluids other than air [4, 2006.01]	E2 /02	precedence) [4, 2006.01]
49/48	• • Moulds [4, 2006.01]	53/02	 Bending or folding (B29C 53/22, B29C 53/34, B29C 53/36, B29C 53/56 take
49/50	 having cutting or deflashing means [4, 2006.01] 		precedence) [4, 2006.01]
49/52	• • having decorating or printing	53/04	 of plates or sheets [4, 2006.01]
	means [4, 2006.01]	53/06	Forming folding lines by pressing or
49/54	• • • for undercut articles [4, 2006.01]		scoring [4, 2006.01]
49/56	 Opening, closing or clamping means [4, 2006.01] 	53/08	• • of tubes [4, 2006.01]
49/58	• • Blowing means [4, 2006.01]	53/10	• • of blown tubular films, e.g. gusseting [4, 2006.01]
49/60	• • • Blow-needles [4, 2006.01]	53/12	 helically, e.g. for making springs [4, 2006.01]
49/62	• • Venting means [4, 2006.01]	53/14	• Twisting [4, 2006.01]
49/64	 Heating or cooling preforms, parisons or blown 	53/16	 Straightening or flattening [4, 2006.01]
	articles [4, 2006.01]	53/18	 of plates or sheets [4, 2006.01]
49/66	• • • Cooling by refrigerant introduced into the	53/20	• • of tubes [4, 2006.01]
40.700	blown article [4, 2006.01]	53/22	• Corrugating [4, 2006.01]
49/68	• • • Ovens specially adapted for heating preforms	53/24	• • of plates or sheets [4, 2006.01]
49/70	or parisons [4, 2006.01] • Removing or ejecting blown articles from the	53/26	• • • parallel with direction of feed [4, 2006.01]
4 3//U	mould [4, 2006.01]	53/28	• • transverse to direction of feed [4, 2006.01]
49/72	 Deflashing outside the mould [4, 2006.01] 	53/30	of tubes (by blow-moulding
49/74	 Deflashing the neck portion [4, 2006.01] 	== :==	B29C 49/00) [4, 2006.01]
	O Larrant 2	53/32	• Coiling (B29C 53/56 takes precedence) [4, 2006.01]

53/34	• Rim rolling (of tube ends B29C 57/12) [4, 2006.01]	57/00	Shaping of tube ends, e.g. flanging, belling, closing;
53/36	 Bending and joining, e.g. for making hollow articles 		Apparatus therefor [4, 2006.01]
	(B29C 53/56 takes precedence; from paper B31C) [4, 2006.01]	57/02	 Belling or enlarging, e.g. combined with forming a groove [4, 2006.01]
53/38	 by bending sheets or strips at right angles to the 	57/04	 using mechanical means [4, 2006.01]
00,00	longitudinal axis of the article being formed and	57/06	• • • elastically deformable [4, 2006.01]
	joining the edges [4, 2006.01]	57/08	• • using pressure difference [4, 2006.01]
53/40	• • • for articles of definite length, i.e. discrete	57/10	• Closing [4, 2006.01]
	articles [4, 2006.01]		_
53/42	• • • using internal forming surfaces, e.g.	57/12	• Rim rolling [4, 2006.01]
	mandrels [4, 2006.01]	59/00	Surface shaping, e.g. embossing; Apparatus
53/44	• • • • rotatable about the axis of the	337 00	therefor [4, 2006.01]
00,	article [4, 2006.01]	59/02	 by mechanical means, e.g. pressing [4, 2006.01]
53/46	• • • using external forming surfaces, e.g.	59/04	 using rollers or endless belts [4, 2006.01]
557 10	sleeves [4, 2006.01]	59/04	 using rollers of endless bens [4, 2006.01] using vacuum drums [4, 2006.01]
53/48	• • for articles of indefinite length, i.e. bending a		
007.10	strip progressively [4, 2006.01]	59/08	• by flame treatment [4, 2006.01]
53/50	• • • using internal forming surfaces, e.g.	59/10	• by electric discharge treatment (electrodes
55,50	mandrels [4, 2006.01]	50/40	H01T) [4, 2006.01]
53/52	• • • using external forming surfaces, e.g.	59/12	• • in an environment other than air [4, 2006.01]
00,02	sleeves [4, 2006.01]	59/14	• by plasma treatment (in general H05H) [4, 2006.01]
53/54	Guiding, aligning or shaping	59/16	• by wave energy or particle radiation [4, 2006.01]
55751	edges [4, 2006.01]	59/18	 by liberation of internal stresses, e.g. plastic
53/56	Winding and joining, e.g. winding		memory [4, 2006.01]
55750	spirally [4, 2006.01]	61/00	Charles I Phanes of Caranda and Malina
53/58	 helically [4, 2006.01] 	61/00	Shaping by liberation of internal stresses; Making
53/60	 using internal forming surfaces, e.g. 		preforms having internal stresses; Apparatus therefor (for surface shaping B29C 59/18; for lining
337 00	mandrels [4, 2006.01]		articles B29C 63/38; for joining preformed parts
53/62	• • • rotatable about the winding axis [4, 2006.01]		B29C 65/66) [4, 2006.01]
53/64	• • • • • and moving axially [4, 2006.01]	61/02	• Thermal shrinking [4, 2006.01]
53/66	• • • • with axially movable winding feed	61/04	• Thermal expansion [4, 2006.01]
33/00	member [4, 2006.01]	61/06	 Making preforms having internal stresses, e.g. plastic
53/68	• • • with rotatable winding feed	01/00	memory [4, 2006.01]
33/00	member [4, 2006.01]	61/08	 by stretching tubes [4, 2006.01]
F2/70			· · · · · · · · · · · · · · · · · · ·
53/70	• • • • • and moving axially [4, 2006.01]	61/10	• • by bending plates or sheets [4, 2006.01]
53/72	• • • using external forming surfaces [4, 2006.01]	63/00	Lining or sheathing, i.e. applying preformed layers
53/74	• • • using a forming surface in the shape of an	037 00	or sheathings of plastics; Apparatus therefor
	endless belt which is recycled after the forming operation [4, 2006.01]		(B29C 73/00 takes precedence; by blowing B29C 49/00;
53/76	• • • about more than one axis [4, 2006.01]		by thermoforming B29C 51/00) [4, 5, 2006.01]
	• • using profiled sheets or strips [4, 2006.01]	63/02	• using sheet or web-like material (B29C 63/26 takes
53/78	- · · · · · · · · · · · · · · · · · · ·		precedence) [4, 2006.01]
53/80	• Component parts, details or accessories; Auxiliary	63/04	 by folding, winding, bending or the
5 0 (00	operations [4, 2006.01]		like [4, 2006.01]
53/82	• • Cores or mandrels [4, 2006.01]	63/06	• • • around tubular articles [4, 2006.01]
53/84	 Heating or cooling [4, 2006.01] 	63/08	• • • by winding helically [4, 2006.01]
55/00	Shaping by stretching, e.g. drawing through a die;	63/10	• • • around tubular articles [4, 2006.01]
33/00	Apparatus therefor (B29C 61/08 takes	63/12	• • • by winding spirally [4, 2006.01]
	precedence) [4, 2006.01]	63/14	• • • • around tubular articles [4, 2006.01]
55/02	• of plates or sheets [4, 2006.01]	63/14	 applied by "rubber" bag or diaphragm [4, 2006.01]
55/04	 • uniaxial, e.g. oblique [4, 2006.01] 	63/18	 using tubular layers or sheathings (B29C 63/26 takes
	- •	03/10	precedence) [4, 2006.01]
55/06	• • • parallel with the direction of feed [4, 2006.01]	62/20	 using pressure difference, e.g.
55/08	• • • transverse to the direction of feed [4, 2006.01]	63/20	vacuum [4, 2006.01]
55/10	• • multiaxial [4, 2006.01]	62/22	
55/12	• • • biaxial [4, 2006.01]	63/22	• using layers or sheathings having a shape adapted to
55/14	• • • • successively [4, 2006.01]		the shape of the article (B29C 63/26 takes precedence) [4, 2006.01]
55/16	• • • simultaneously [4, 2006.01]	63/24	• using threads [4, 2006.01]
55/18	 by squeezing between surfaces, e.g. 		 Lining or sheathing of internal surfaces (B29C 63/38
	rollers [4, 2006.01]	63/26	takes precedence) [4, 2006.01]
55/20	• • Edge clamps [4, 2006.01]	£2/20	applied by "rubber" bag or diaphragm [4, 2006.01]
55/22	• of tubes [4, 2006.01]	63/28	
55/24	• • radial [4, 2006.01]	63/30	• • using sheet or web-like material [4, 2006.01]
55/26	• • biaxial [4, 2006.01]	63/32	• • • by winding helically [4, 2006.01]
55/28	• of blown tubular films, e.g. by inflation [4, 2006.01]	63/34	• • using tubular layer or sheathings [4, 2006.01]
55/30	 Drawing through a die [4, 2006.01] 	63/36	• • • being turned inside out [4, 2006.01]
		63/38	 by liberation of internal stresses [4, 2006.01]

63/40	• using sheet or web-like material [4, 2006.01]	65/72	by combined operations, e.g. welding and
63/42	 using tubular layers or sheathings [4, 2006.01] 		stitching [4, 2006.01]
63/44	 the shape of the layers or sheathings being adapted 	65/74	 by welding and severing [4, 2006.01]
	to the shape of the articles [4, 2006.01]	65/76	Making non-permanent or releasable
63/46	 of internal surfaces [4, 2006.01] 		joints [4, 2006.01]
63/48	• Preparation of the surfaces [4, 2006.01]	65/78	 Means for handling the parts to be joined, e.g. for making containers or hollow articles [4, 2006.01]
65/00	Joining of preformed parts; Apparatus therefor (for	65/80	 Rotatable transfer means [4, 2006.01]
	making boxes, cartons, envelopes or bags B31B; for	65/82	• Testing the joint [4, 2006.01]
	sealing or securing package folds or closures		See
	B65B 51/00; joining constructional elements, in general	67/00	Shaping techniques not covered by groups
	F16B; splicing of light guides		B29C 39/00-B29C 65/00, B29C 70/00 or
	G02B 6/255) [4, 5, 2006.01]		B29C 73/00 [4, 6, 2006.01]
65/02	• by heating, with or without pressure [4, 2006.01]	67/02	 Moulding by agglomerating [4, 2006.01]
65/04	Dielectric heating, e.g. high-frequency	67/04	 Sintering (combined with compression
	welding [4, 2006.01]		B29C 43/00) [4, 2006.01]
65/06	 using friction, e.g. spin welding [4, 2006.01] 	67/06	 Coagulating [4, 2006.01]
65/08	 using ultrasonic vibrations [4, 2006.01] 	67/08	 Screen moulding, e.g. forcing the moulding material
65/10	 using hot gases [4, 2006.01] 		through a perforated screen on to a moulding
65/12	 and welding bar [4, 2006.01] 		surface [4, 2006.01]
65/14	 using wave energy or particle 	67/20	 for porous or cellular articles, e.g. of foam plastics,
	radiation [4, 2006.01]		coarse-pored [4, 2006.01]
65/16	• • • Laser beam [4, 2006.01]	67/24	 characterised by the choice of material [4, 2006.01]
65/18	 using heated tool [4, 2006.01] 	60.400	
65/20	• • with direct contact, e.g. using	69/00	Combinations of shaping techniques not provided for
	"mirror" [4, 2006.01]		in a single one of main groups B29C 39/00-
65/22	• • • Heated wire [4, 2006.01]		B29C 67/00, e.g. associations of moulding and joining techniques; Apparatus therefor [4, 2006.01]
65/24	 characterised by the means for heating the 	69/02	 of moulding techniques only [4, 2006.01]
	tool [4, 2006.01]	03/02	or mountaing techniques only [4, 2000.01]
	Note(s) [4]	70/00	Shaping composites, i.e. plastics material comprising
	Note(s) [4]		reinforcements, fillers or preformed parts, e.g.
	Classification is made in this group only if the details or		inserts (chemical aspects C08, e.g.
	adaptations of the heating means are of interest.		C08J 5/00) [6, 2006.01]
65/26	• • • Hot fluid [4, 2006.01]		Note(s) [6]
65/28	• • • • Flame or combustible material [4, 2006.01]		<u>Note(s) [6]</u>
65/30	• • • • Electrical means [4, 2006.01]		In this group, the following terms or expressions are
65/32	• • • • Induction [4, 2006.01]		used with the meanings indicated:
65/34	 using heated elements which remain in the joint, 		 "reinforcement" means a structure in the form of fibres, wires, rods, bars, sections,
	e.g. "verlorenes Schweisselement" [4, 2006.01]		plates or blocks, which improves the
65/36	 heated by induction [4, 2006.01] 		strength of an article;
65/38	 Impulse heating [4, 2006.01] 		 "filler" means a relatively inert substance in
65/40	 Applying molten plastics, e.g. hot melt (using 		the form of particles, powder, beads, flakes
	welding bar B29C 65/12; by moulding		or spheres, which improves the physical
	B29C 65/70) [4, 2006.01]		properties or increases the bulk or weight of
65/42	• • between pre-assembled parts [4, 2006.01]		an article;
65/44	 Joining a heated non-plastics element to a plastics 		 "preformed part" means a part made of any
	element [4, 2006.01]		material, being completely shaped to have a
65/46	 heated by induction [4, 2006.01] 		determined form and which is not used as a
65/48	 using adhesives (heat-activated B29C 65/02; hot 		reinforcement, e.g. wires or nets forced only
	melts B29C 65/40; non-mechanical parts of adhesive		into the surface of an article;"insert" means a preformed part
	processes, in general C09J 5/00) [4, 2006.01]		incorporated in an article during moulding.
65/50	 using adhesive tape [4, 2006.01] 		incorporated in an article during moulding.
65/52	 Applying the adhesive [4, 2006.01] 	-	
65/54	• • • between pre-assembled parts [4, 2006.01]	70/02	 comprising combinations of reinforcements and
65/56	 using mechanical means [4, 2006.01] 	70702	fillers incorporated in matrix material, forming one or
65/58	 Snap connection [4, 2006.01] 		more layers, with or without non-reinforced or non-
65/60	• • Riveting [4, 2006.01]		filled layers [6, 2006.01]
65/62	• • Stitching [4, 2006.01]	70/04	 comprising reinforcements only, e.g. self-reinforcing
65/64	 Joining a non-plastics element to a plastics 		plastics [6, 2006.01]
	element, e.g. by force (B29C 65/44 takes	70/06	• Fibrous reinforcements only [6, 2006.01]
	precedence) [4, 2006.01]	70/08	• • comprising combinations of different forms of
65/66	 by liberation of internal stresses, e.g. shrinking of one 		fibrous reinforcements incorporated in matrix
	of the parts to be joined [4, 2006.01]		material, forming one or more layers, with or
65/68	• • using auxiliary shrinkable element [4, 2006.01]		without non-reinforced layers [6, 2006.01]
65/70	 by moulding (using a particular moulding technique, 	70/10	 characterised by the structure of fibrous
	see the relevant place for that technique) [4, 2006.01]		reinforcements [6, 2006.01]

70/12	• • • using fibres of short length, e.g. in the form of a mat [6, 2006.01]	70/52 • • • • • Pultrusion, i.e. forming and compressing by continuously pulling through a	g
70/14	• • • • oriented (oriented filler material B29C 70/62) [6, 2006.01]	die [6, 2006.01] 70/54 • • • Component parts, details or accessories;	
70/16	• • • using fibres of substantial or continuous length [6, 2006.01]	Auxiliary operations [6, 2006.01] 70/56 • • • Tensioning reinforcements before or during	g
70/18	• • • • in the form of a mat, e.g. sheet moulding compound (SMC) [6, 2006.01]	shaping [6, 2006.01] 70/58 • comprising fillers only [6, 2006.01]	
70/20	• • • • oriented in a single direction, e.g. roving or other parallel fibres [6, 2006.01]	Note(s) [6]	
70/22	• • • • oriented in at least two directions forming a two dimensional structure [6, 2006.01]	Moulding of plastics matrix material mixed with filler by a single technique is classified in the appropriate	'S
70/24	• • • • oriented in at least three directions	place for that technique. 70/60 • comprising a combination of distinct filler types	
=0.40.0	forming a three dimensional structure [6, 2006.01]	incorporated in matrix material, forming one or more layers, and with or without non-filled	
70/26 70/28	Non-fibrous reinforcements only [6, 2006.01]Shaping operations therefor [6, 2006.01]	layers [6, 2006.01]	
70720	Note(s) [6]	70/62 • the filler being oriented during moulding (for fibres of short length B29C 70/14) [6, 2006.01]	
		70/64 • the filler influencing the surface characteristics o	of
	This group <u>covers</u>:the shaping of coherent fibrous	the material, e.g. by concentrating near the surface	
	reinforcements which are pre-impregnated	or by incorporation into the surface by	
	or without binder, or of non-coherent	force [6, 2006.01] 70/66 • • the filler comprising hollow constituents, e.g.	
	reinforcements of fibres placed in a mould or on a support;	syntactic foam [6, 2006.01]	
	 the impregnation or introduction of a plastics matrix in reinforcements during shaping. 	 by incorporating or moulding on preformed parts, e.g. inserts, layers [6, 2006.01] 	
	2. This group <u>does not cover</u> :	Note(s) [6]	
	the moulding by a single technique of	This group <u>does not cover</u> :	
	plastics matrix material mixed with and containing reinforcing fibres of short length,	 incorporating, or moulding on, preformed parts by a single technique, which is 	
	which is covered by the appropriate place	covered by the appropriate place for that	
	for that technique;	technique;	
	 the pretreatment, e.g. impregnation, of reinforcements <u>per se</u>, i.e. independently of their shaping, which is covered by group 	 pretreatment of preformed parts <u>per se</u>, i.e. independently of their shaping, which is covered by group B29B 15/00. 	•
5 0 /00	B29B 15/08.	70/70 • • Completely encapsulating inserts [6, 2006.01]	
70/30	 Shaping by lay-up, i.e. applying fibres, tape or broadsheet on a mould, former or core; Shaping 	70/72 • Encapsulating inserts having non-encapsulated	r
	by spray-up, i.e. spraying of fibres on a mould,	projections, e.g. extremities, terminal portions of electrical components [6, 2006.01]	
	former or core [6, 2006.01]	70/74 • • Moulding material on a relatively small portion of	of
70/32	• • • on a rotating mould, former or core [6, 2006.01]	the preformed part, e.g. outsert moulding [6, 2006.01]	
70/34	• • • • and shaping or impregnating by compression [6, 2006.01]	70/76 • • • Moulding on edges or extremities of the	
70/36	• • • and impregnating by casting, e.g. vacuum	preformed part [6, 2006.01] 70/78 • • Moulding material on one side only of the	
70/38	casting [6, 2006.01] • • • • Automated lay-up, e.g. using robots, laying	preformed part [6, 2006.01]	
, 0, 30	filaments according to predetermined	70/80 • • • Moulding sealing material into closure members [6, 2006.01]	
70/40	patterns [6, 2006.01] • • • Shaping or impregnating by compression	70/82 • • Forcing wires, nets or the like partially or	
70740	(B29C 70/34 takes precedence) [6, 2006.01]	completely into the surface of an article, e.g. by cutting and pressing (pressing beads or the like	
70/42	• • • for producing articles of definite length, i.e. discrete articles [6, 2006.01]	into a surface B29C 70/64) [6, 2006.01]	
70/44	• • • • using isostatic pressure, e.g. pressure	70/84 • • Moulding material on preformed parts to be joined [6, 2006.01]	
	difference-, vacuum bag-, autoclave- or expanding rubber-moulding [6, 2006.01]	 10/86 • Incorporating in coherent impregnated reinforcin layers [6, 2006.01] 	ıg
70/46	• • • • using matched moulds, e.g. for deforming sheet moulding compounds (SMC),	• characterised primarily by possessing specific	
	prepregs [6, 2006.01]	properties, e.g. electrically conductive, locally reinforced [6, 2006.01]	
70/48	• • • • • and impregnating the reinforcements	71/00 Africa Acceptance of anti-lease ish and alkaning shair	
	in the closed mould, e.g. resin transfer moulding (RTM) [6, 2006.01]	71/00 After-treatment of articles without altering their shape; Apparatus therefor (B29C 44/56, B29C 73/00	0
70/50	• • • • for producing articles of indefinite length,	take precedence; surface shaping B29C 59/00; chemica	
	e.g. prepregs, sheet moulding compounds	aspects C08J 7/00) [4, 5, 6, 2006.01]	
	(SMC), cross moulding compounds	71/02 • Thermal after-treatment [4, 2006.01]	
	(XMC) [6, 2006.01]	• by wave energy or particle radiation [4, 2006.01]	

73/00	Repairing of articles made from plastics or substances in a plastic state, e.g. of articles shaped or produced by using techniques covered by this	73/16 • Auto-repairing or self-sealing of sealing compositions, see Sec C09K 3/10) [5, 2006.01]	
	subclass or subclass B29D (retreading tyres B29D 30/54; devices for covering leaks in pipes or	73/18 • • the article material itself bei compression [5, 2006.01]	
73/02	hoses F16L 55/16) [5, 2006.01] • using liquid or paste-like material (B29C 73/16 takes	73/20 • • • the article material only of deformable sealing mater	rial [5, 2006.01]
73/04 73/06	 precedence) [5, 2006.01] using preformed elements [5, 2006.01] using plugs sealing in the hole [5, 2006.01] 	73/22 • the article containing eleme composition, e.g. powder be article is damaged [5, 2006.	eing liberated when the
73/08	• • • Apparatus therefor, e.g. for inserting [5, 2006.01]	73/24 • Apparatus or accessories not o for [5, 2006.01]	therwise provided
73/10	 using patches sealing on the surface of the article 	73/26 • • for mechanical pretreatment	i [5, 2006.01]
73/12	(B29C 73/14 takes precedence) [5, 2006.01]• • Apparatus therefor, e.g. for applying	73/28 • • for clamping and stretching inner tubes [5, 2006.01]	flexible material, e.g.
	(B29C 73/30 takes precedence) [5, 2006.01]	73/30 • • for local pressing or local he	eating [5, 2006.01]
73/14	 using elements composed of two parts joined together after having been placed one on each side 	73/32 • • using an elastic element, bag [5, 2006.01]	e.g. inflatable
	of the article [5, 2006.01]	73/34 • • • for local heating [5, 2006]	5.01]

PRODUCING PARTICULAR ARTICLES FROM PLASTICS OR FROM SUBSTANCES IN A PLASTIC STATE (making granules B29B 9/00; making preforms B29B 11/00) [4]

Note(s) [4]

- 1. Attention is drawn to Note (3) following the title of class B29.
- 2. In this subclass, it is desirable to add the indexing codes of subclass B29K.

1/00 5/00	Producing articles provided with screw threads [1, 2006.01] Producing elements of slide fasteners; Combined making and attaching of elements of slide	17/00	Producing carriers of records containing fine grooves or impressions, e.g. disc records for needle playback or cylinder records; Producing record discs from master stencils [1, 4, 6, 2006.01]
	fasteners [1, 4, 2006.01]	19/00	Producing buttons or semi-finished parts of
5/02	 the fasteners having separate interlocking members [4, 2006.01] 	19/04	buttons [1, 2006.01]by cutting, milling, turning, stamping, or perforating
5/04	the interlocking members being formed by continuous meander of filamentary		moulded parts; Surface treatment of buttons [1, 2006.01]
5/06	material [4, 2006.01] the interlocking members being formed by	19/06	 Devices for feeding semi-finished parts to the processing machines [1, 2006.01]
5/08	continuous helix [4, 2006.01] • the interlocking members being formed by profiled or	19/08	 Making holes in buttons or in semi-finished parts thereof [1, 2006.01]
	castellated edge of a stringer [4, 2006.01]	21/00	
5/10	 the interlocking members being formed by continuous profiled strip [4, 2006.01] 	21/00	Producing hair combs or similar toothed or slotted articles [1, 2006.01]
7/00	Producing flat articles, e.g. films or sheets	21/04	 by sawing, milling, cutting, or similar operations [1, 2006.01]
	(B29D 24/00 takes precedence) [1, 4, 2006.01]	21/06	• Polishing [1, 2006.01]
7/01	• Films or sheets [4, 2006.01]	22/00	Producing hollow articles (tubular articles
11/00	Producing optical elements, e.g. lenses or prisms [1, 4, 2006.01]	22/02	B29D 23/00; pneumatic tyres B29D 30/00) [4, 2006.01] • Inflatable articles [7, 2006.01]
11/02	Artificial eyes from organic plastic	22/02	• Spherical articles, e.g. balls (B29D 22/02 takes
	material [1, 2006.01]		precedence) [7, 2006.01]
12/00	Producing frames [1, 2006.01]	23/00	Producing tubular articles (B29D 24/00 takes
12/02	• Spectacle frames [1, 2006.01]		precedence) [1, 4, 2006.01]
15/00	Producing gear wheels or similar articles with	23/14	• Cigar or cigarette holders [1, 4, 2006.01]
13/00	grooves or projections, e.g. control knobs [1, 2006.01]	23/18	• Pleated hoses [1, 4, 2006.01]
		23/20	• Flexible squeeze tubes, e.g. for cosmetics [1, 4, 2006.01]
16/00	Producing articles with corrugations (B29D 23/18 takes precedence) [4, 2006.01]	23/24	• Endless tubes, e.g. inner tubes for pneumatic tyres [6, 2006.01]
		24/00	Producing articles with hollow walls [4, 2006.01]

25/00	Producing frameless domes [1, 2006.01]	30/42	• • • Endless textile bands without bead-
28/00	Producing nets or the like [4, 2006.01]	30/44	rings [4, 2006.01] • • • Stretching or treating the layers before
29/00 29/06	Producing belts or bands [1, 4, 2006.01]Conveyor belts [4, 2006.01]	30/46	application on the drum [4, 2006.01]• Cutting textile inserts to required
			shape [4, 2006.01]
29/08 29/10	 Toothed driving belts [4, 2006.01] Driving belts having wedge-shaped cross- 	30/48	 Bead-rings or bead-cores; Treatment thereof prior to building the tyre [4, 2006.01]
30/00	section [4, 2006.01] Producing pneumatic or solid tyres or parts thereof	30/50	 Covering, e.g. by winding, the separate beadrings or bead-cores with textile material, e.g. with flipper strips [4, 2006.01]
	(producing inner tubes B29D 23/24; connection of valves to inflatable elastic bodies B60C 29/00) [4, 2006.01]	30/52	 Unvulcanised treads, e.g. on used tyres; Retreading [4, 5, 2006.01]
30/02	• Solid tyres [4, 2006.01]	30/54	• • • Retreading [4, 2006.01]
30/02	 Resilient fillings for rubber tyres; Filling tyres 	30/56	• • • • Retreading with prevulcanised tread [4, 2006.01]
30/06	therewith [4, 2006.01]Pneumatic tyres or parts thereof [4, 2006.01]	30/58	• • • Applying bands of rubber treads, i.e. applying
30/08	• • Building tyres [4, 2006.01]		camel backs [4, 2006.01]
30/10	• • • on round cores, i.e. the shape of the core is	30/60	• • • by winding narrow strips [4, 2006.01]
50710	approximately identical with the shape of the completed tyre [4, 2006.01]	30/62	• • • by extrusion or injection of the tread on carcass [4, 2006.01]
30/12	• • • Cores [4, 2006.01]	30/64	• • • Tyre spreaders [4, 2006.01]
30/14	• • • Rolling-down or pressing-down the layers in	30/66	 • Moulding treads on to tyre casings, e.g. non- skid treads with spikes [4, 2006.01]
30/16	the building process [4, 2006.01] • • • • Applying the layers; Guiding or stretching	30/68	• • • Cutting profiles into the treads of
	the layers during application [4, 2006.01]	D0 / E 0	tyres [4, 2006.01]
30/18	 • • • Fitting the bead-rings or bead-cores; Folding 	30/70	• • Annular breakers [4, 2006.01]
	.10 1 1 1.1	30/72	• • Side-walls [4, 2006.01]
	the textile layers around the rings or	30/72	• • Side-walls [4, 2006.01]
30/20	cores [4, 2006.01]	33/00	Producing bushes for bearings [2010.01]
30/20	cores [4, 2006.01] • • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01]		
30/22	 cores [4, 2006.01] by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] Breaker plies being applied in the unexpanded state [4, 2006.01] 	33/00	Producing bushes for bearings [2010.01]
	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • • Drums [4, 2006.01]	33/00	Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the
30/22	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • • Drums [4, 2006.01] • • • Accessories or details, e.g. membranes or	33/00	Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest.
30/22 30/24	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • • Drums [4, 2006.01]	33/00	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00.
30/22 30/24 30/26	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • Rolling-down or pressing-down the layers in	33/00	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by
30/22 30/24 30/26 30/28	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • Applying the layers; Guiding or stretching	33/00 35/00	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g.
30/22 30/24 30/26 30/28 30/30	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or	33/00 35/00	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to
30/22 30/24 30/26 30/28 30/30	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with	33/00 35/00 35/02 35/04 35/06	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01]
30/22 30/24 30/26 30/28 30/30 30/32	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers [4, 2006.01]	33/00 35/00 35/02 35/04 35/06	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01] • having multilayered parts [2010.01]
30/22 30/24 30/26 30/28 30/30 30/32	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with	33/00 35/00 35/02 35/04 35/06	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01]
30/22 30/24 30/26 30/28 30/30 30/32	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers [4, 2006.01] • Expansion of tyres in a flat form, e.g. of tyres built by the flat-tyre method or by jointly covering two bead-rings [4, 2006.01] • Textile inserts, e.g. cord or canvas layers, for	33/00 35/00 35/02 35/04 35/06 35/08 35/10	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01] • having multilayered parts [2010.01] • having preformed soles or heels joined on to preformed uppers using a moulding technique, e.g. by feeding or injecting plastics material between the parts to be joined [2010.01]
30/22 30/24 30/26 30/28 30/30 30/32 30/34	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers [4, 2006.01] • Expansion of tyres in a flat form, e.g. of tyres built by the flat-tyre method or by jointly covering two bead-rings [4, 2006.01] • Textile inserts, e.g. cord or canvas layers, for tyres; Treatment of inserts prior to building the tyre (manufacture of layers comprising fibrous	33/00 35/00 35/02 35/04 35/06 35/10	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01] • having multilayered parts [2010.01] • having preformed soles or heels joined on to preformed uppers using a moulding technique, e.g. by feeding or injecting plastics material between the parts to be joined [2010.01] • Producing parts thereof, e.g. soles, heels or uppers, by a moulding technique [2010.01]
30/22 30/24 30/26 30/28 30/30 30/32 30/34	cores [4, 2006.01] • • by the flat-tyre method, i.e. building on cylindrical drums [4, 2006.01] • • Breaker plies being applied in the unexpanded state [4, 2006.01] • • Drums [4, 2006.01] • • Accessories or details, e.g. membranes or transfer rings [4, 2006.01] • • Rolling-down or pressing-down the layers in the building process [4, 2006.01] • • Applying the layers; Guiding or stretching the layers during application [4, 2006.01] • • Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores [4, 2006.01] • • by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers [4, 2006.01] • Expansion of tyres in a flat form, e.g. of tyres built by the flat-tyre method or by jointly covering two bead-rings [4, 2006.01] • Textile inserts, e.g. cord or canvas layers, for tyres; Treatment of inserts prior to building the	33/00 35/00 35/02 35/04 35/06 35/08 35/10	 Producing bushes for bearings [2010.01] Producing footwear [2010.01] Note(s) [2010.01] 1. Classification is made in this group if the moulding technique is of interest. 2. The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. • made in one piece using a moulding technique, e.g. by injection moulding or casting [2010.01] • having multilayered parts [2010.01] • having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising [2010.01] • having multilayered parts [2010.01] • having preformed soles or heels joined on to preformed uppers using a moulding technique, e.g. by feeding or injecting plastics material between the parts to be joined [2010.01] • Producing parts thereof, e.g. soles, heels or uppers,

B29K INDEXING SCHEME ASSOCIATED WITH SUBCLASSES B29B, B29C OR B29D, RELATING TO MOULDING MATERIALS OR TO MATERIALS FOR REINFORCEMENTS, FILLERS OR PREFORMED PARTS, e.g. INSERTS [4]

Note(s) [4]

- $1. \hspace{0.5cm} \hbox{This subclass constitutes an indexing scheme associated with subclasses B29B, B29C or B29D.}\\$
- 2. In this subclass, the following term is used with the meaning indicated:
 - "rubber" covers:

- a.
- natural or conjugated diene rubbers; rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, <u>see</u> the group provided for b. such macromolecular compounds).

Subclass index

COMPOSITIONS FOR MOULDING MATERIALS; CONDITION, FORM OR STATE OF MOULDED	
MATERIAL	1/00-105/00
COMPOSITIONS FOR REINFORCEMENTS	201/00-311/00
COMPOSITIONS FOR FILLERS	401/00-511/00
COMPOSITIONS FOR PREFORMED PARTS	601/00-711/00

	tions for moulding materials; Condition, form or state ed material [6]	55/00	Use of specific polymers obtained by polymerisation reactions only involving carbon-to-carbon
1/00	Use of cellulose, modified cellulose or cellulose derivatives, e.g. viscose, as moulding		unsaturated bonds, not provided for in a single one of main groups B29K 23/00-B29K 45/00, as moulding material [4, 2006.01]
	material [4, 2006.01]	55/02	ABS polymers, i.e. acrylonitrile-butadiene-styrene
7/00	Use of natural rubber as moulding		polymers [4, 2006.01]
	material [4, 2006.01]	59/00	Use of polyacetals as moulding material [4, 2006.01]
9/00	Use of rubber derived from conjugated dienes, as moulding material [4, 2006.01]	61/00	Use of condensation polymers of aldehydes or ketones, as moulding material [4, 2006.01]
9/06	SB polymers, i.e. butadiene-styrene	61/04	 Phenoplasts [4, 2006.01]
	polymers [4, 2006.01]	61/20	• Aminoplasts [4, 2006.01]
19/00	Use of rubber not provided for in a single one of main groups B29K 7/00-B29K 9/00, as moulding	63/00	Use of epoxy resins as moulding material [4, 2006.01]
	material [4, 2006.01]	67/00	Use of polyesters as moulding material [4, 2006.01]
21/00	Use of unspecified rubbers as moulding material [4, 2006.01]	69/00	Use of polycarbonates as moulding material [4, 2006.01]
23/00	Use of polyalkenes as moulding material [4, 2006.01]	71/00	Use of polyethers as moulding material [4, 2006.01]
25/00	Use of polymers of vinyl-aromatic compounds as moulding material [4, 2006.01]	73/00	Use of other polymers having oxygen as the only hetero atom in the main chain, as moulding material [4, 2006.01]
27/00	Use of polyvinylhalogenides as moulding material [4, 2006.01]	75 (00	
27/06	• PVC, i.e. polyvinylchloride [4, 2006.01]	75/00	Use of polyureas or polyurethanes as moulding material [4, 2006.01]
27/12	 containing fluorine [4, 2006.01] 		
27/18	• • PTFE, i.e. polytetrafluorethene [4, 2006.01]	77/00	Use of polyamides, e.g. polyesteramides, as moulding material [4, 2006.01]
29/00	Use of polyvinylalcohols, polyvinylethers, polyvinylaldehydes, polyvinylketones or polyvinylketals as moulding material [4, 2006.01]	79/00	Use of other polymers having nitrogen, with or without oxygen or carbon only, in the main chain, as moulding material [4, 2006.01]
31/00	Use of polyvinylesters as moulding material [4, 2006.01]	81/00	Use of polymers having sulfur, with or without nitrogen, oxygen or carbon only, in the main chain,
33/00	Use of polymers of unsaturated acids or derivatives thereof, as moulding material (B29K 35/00 takes precedence) [4, 2006.01]	83/00	as moulding material [4, 2006.01] Use of polymers having silicon, with or without
33/04	• Polymers of esters [4, 2006.01]		sulfur, nitrogen, oxygen or carbon only, in the main
33/18	• Polymers of nitriles [4, 2006.01]		chain, as moulding material [4, 2006.01]
33/20	• • PAN, i.e. polyacrylonitrile [4, 2006.01]	85/00	Use of polymers having elements other than silicon,
35/00	Use of polymers of unsaturated polycarboxylic acids as moulding material [4, 2006.01]		nitrogen, oxygen or carbon only, in the main chain, as moulding material [4, 2006.01]
45/00	Use of polymers of unsaturated cyclic compounds having no unsaturated aliphatic groups in a sidechain, e.g. coumarone-indene resins, as moulding material [4, 2006.01]	86/00	Use of specific polymers obtained by polycondensation or polyaddition, not provided for in a single one of main groups B29K 59/00-B29K 85/00, as moulding material [4, 2006.01]
		91/00	Use of waxes as moulding material [4, 2006.01]

95/00	Use of bituminous materials as moulding material [4, 2006.01]	225/00	Use of polymers of vinyl-aromatic compounds as reinforcement [6, 2006.01]
96/00	Use of specified macromolecular materials not provided for in a single one of main groups B29K 1/00-B29K 95/00, as moulding	227/00 227/06	Use of polyvinylhalogenides as reinforcement [6, 2006.01] • PVC, i.e. polyvinylchloride [6, 2006.01]
	material [4, 2006.01]	227/12	• containing fluorine [6, 2006.01]
96/02	 Graft polymers [4, 2006.01] 	227/18	• • PTFE, i.e. polytetrafluoroethene [6, 2006.01]
96/04	• Block polymers [4, 2006.01]		1112, het posytenusiuoroeniene [0, 200002]
101/00	Use of unspecified macromolecular compounds as moulding material (use of unspecified rubbers B29K 21/00) [4, 2006.01]	229/00	Use of polyvinylalcohols, polyvinylethers, polyvinylaldehydes, polyvinylketones or polyvinylketals as reinforcement [6, 2006.01]
101/10	• Thermosetting resins [4, 2006.01]	231/00	Use of polyvinylesters as reinforcement [6, 2006.01]
101/12	Thermoplastic materials [6, 2006.01]		
103/00	Use of resin-bonded materials as moulding material [4, 2006.01]	233/00	Use of polymers of unsaturated acids or derivatives thereof, as reinforcement (B29K 235/00 takes precedence) [6, 2006.01]
103/04	• Inorganic materials [4, 2006.01]	233/04	 Polymers of esters [6, 2006.01]
103/06	Metal powders, metal carbides or the	233/18	 Polymers of nitriles [6, 2006.01]
105/00	like [4, 2006.01]	233/20	• • PAN, i.e. polyacrylonitrile [6, 2006.01]
103/08	 • Mineral aggregates, e.g. sand, clay or the like [4, 2006.01] 	235/00	Use of polymers of unsaturated polycarboxylic acids as reinforcement [6, 2006.01]
105/00	Condition, form or state of moulded	245/00	Her of polymore of uncerturated evelic compounds
	material [4, 2006.01]	245/00	Use of polymers of unsaturated cyclic compounds having no unsaturated aliphatic groups in a side-
105/02	 heat-shrinkable [4, 2006.01] 		chain, e.g. coumarone-indene resins, as
105/04	 cellular or porous [4, 2006.01] 		reinforcement [6, 2006.01]
105/06	 containing reinforcements, fillers or 		
	inserts [4, 2006.01]	255/00	Use of specific polymers obtained by polymerisation
105/08	• of continuous length, e.g. cords, rovings, mats, fabrics, strands or yarns [4, 2006.01]		reactions only involving carbon-to-carbon unsaturated bonds, not provided for in a single one
105/10	• • • oriented [4, 2006.01]		of main groups B29K 223/00-B29K 245/00, as
105/12	• • of short lengths, e.g. chopped filaments, staple	255 (22	reinforcement [6, 2006.01]
	fibres or bristles [4, 2006.01]	255/02	• ABS polymers, i.e. acrylonitrile-butadiene-styrene
105/14	• • • oriented [4, 2006.01]		polymers [6, 2006.01]
105/16	• • Fillers [4, 2006.01]	259/00	Use of polyacetals as reinforcement [6, 2006.01]
105/18	• • • oriented [4, 2006.01]		
105/20	• • Inserts [4, 2006.01]	261/00	Use of condensation polymers of aldehydes or
105/22	• • • metallic [4, 2006.01]		ketones, as reinforcement [6, 2006.01]
105/24	 cross-linked or vulcanised [4, 2006.01] 	261/04	 Phenoplasts [6, 2006.01]
105/26	• Scrap [4, 2006.01]	261/20	 Aminoplasts [6, 2006.01]
105/28	• opaque [4, 2006.01]		
105/30	 reflecting [4, 2006.01] 	263/00	Use of epoxy resins as reinforcement [6, 2006.01]
105/32	 transparent [4, 2006.01] 	267/00	Lies of polyactors as reinforcement [6, 2006 01]
105/34	• insulating [4, 2006.01]	269/00	Use of polyesters as reinforcement [6, 2006.01] Use of polycarbonates as reinforcement [6, 2006.01]
-	tions for reinforcements [6]	271/00	Use of polyethers as reinforcement [6, 2006.01]
201/00	Use of cellulose, modified cellulose or cellulose derivatives, e.g. viscose, as reinforcement [6, 2006.01] Use of natural rubber as reinforcement [6, 2006.01]	273/00	Use of other polymers having oxygen as the only hetero atom in the main chain, as reinforcement [6, 2006.01]
207/00	Ose of natural rubber as remiorcement [0, 2000.01]	275 /00	He of polymers or polymerthones as
209/00	Use of rubber derived from conjugated dienes, as reinforcement [6, 2006.01]	275/00	Use of polyureas or polyurethanes as reinforcement [6, 2006.01]
209/06	• SB polymers, i.e. butadiene-styrene polymers [6, 2006.01]	277/00	Use of polyamides, e.g. polyesteramides, as reinforcement [6, 2006.01]
219/00	Use of rubber not provided for in a single one of main groups B29K 207/00-B29K 209/00, as reinforcement [6, 2006.01]	279/00	Use of other polymers having nitrogen, with or without oxygen or carbon only, in the main chain, as reinforcement [6, 2006.01]
221/00	Use of unspecified rubbers as reinforcement [6, 2006.01]	281/00	Use of polymers having sulfur, with or without nitrogen, oxygen or carbon only, in the main chain,
223/00	Use of polyalkenes as reinforcement [6, 2006.01]		as reinforcement [6, 2006.01]

283/00	Use of polymers having silicon, with or without	311/04	• Linoleum [6, 2006.01]
	sulfur, nitrogen, oxygen or carbon only, in the main	311/06	 Bone, horn or ivory [6, 2006.01]
	chain, as reinforcement [6, 2006.01]	311/08	• Leather [6, 2006.01]
285/00	Use of polymers having elements other than silicon,	311/10	 Natural fibres, e.g. wool, cotton [6, 2006.01]
205/00	nitrogen, oxygen or carbon only, in the main chain,	311/12	 Paper, e.g. cardboard [6, 2006.01]
	as reinforcement [6, 2006.01]	311/14	 Wood, e.g. woodboard or fibreboard [6, 2006.01]
222122			
286/00	Use of specific polymers obtained by	Composi	itions for fillers [6]
	polycondensation or polyaddition, not provided for in a single one of main groups B29K 259/00-	Composi	dons for finers [0]
	B29K 285/00, as reinforcement [6, 2006.01]	401/00	Use of cellulose, modified cellulose or cellulose
			derivatives, e.g. viscose, as filler [6, 2006.01]
295/00	Use of bituminous materials as	407/00	Use of natural rubber as filler [6, 2006.01]
	reinforcement [6, 2006.01]	1077 00	ose of natural russer as inter [0, 2000.01]
296/00	Use of specific macromolecular materials not	409/00	Use of rubber derived from conjugated dienes, as
	provided for in a single one of main groups		filler [6, 2006.01]
	B29K 201/00-B29K 295/00, as	409/06	• SB polymers, i.e. butadiene-styrene
296/02	reinforcement [6, 2006.01]		polymers [6, 2006.01]
296/02	 Graft polymers [6, 2006.01] Block polymers [6, 2006.01]	419/00	Use of rubber not provided for in a single one of
230/04	Block polymers [0, 2000.01]		main groups B29K 407/00-B29K 409/00, as
301/00	Use of unspecified macromolecular compounds as		filler [6, 2006.01]
	reinforcement (use of unspecified rubbers	421/00	Use of unspecified rubbers as filler [6, 2006.01]
201110	B29K 221/00) [6, 2006.01]	421/00	Ose of unspecifical above s as finer [0, 2000.01]
301/10	• Thermosetting resins [6, 2006.01]	423/00	Use of polyalkenes as filler [6, 2006.01]
301/12	• Thermoplastic materials [6, 2006.01]	425/00	Use of polymore of vinyl avamatic compounds as
303/00	Use of resin-bonded materials as	423/00	Use of polymers of vinyl-aromatic compounds as filler [6, 2006.01]
	reinforcement [6, 2006.01]		
303/04	 Inorganic materials [6, 2006.01] 	427/00	Use of polyvinylhalogenides as filler [6, 2006.01]
303/06	Metal powders, metal carbides or the	427/06	• PVC, i.e. polyvinylchloride [6, 2006.01]
202/00	like [6, 2006.01]	427/12	• containing fluorine [6, 2006.01]
303/08	 Mineral aggregates, e.g. sand, clay or the like [6, 2006.01] 	427/18	• • PTFE, i.e. polytetrafluoroethene [6, 2006.01]
	[0, 2 00002]	429/00	Use of polyvinylalcohols, polyvinylethers,
305/00	Use of metals, their alloys or their compounds, as		polyvinylaldehydes, polyvinylketones or
	reinforcement [6, 2006.01]		polyvinylketals as filler [6, 2006.01]
	Note(s) [6]	431/00	Use of polyvinylesters as filler [6, 2006.01]
	Alloys or compounds of specified metals are indexed		
	with the same code as the specified metals.	433/00	Use of polymers of unsaturated acids or derivatives
305/02	• Aluminium [6, 2006.01]		thereof, as filler (B29K 435/00 takes precedence) [6, 2006.01]
305/04	• Lead [6, 2006.01]	433/04	• Polymers of esters [6, 2006.01]
305/06	• Tin [6, 2006.01]	433/18	 Polymers of nitriles [6, 2006.01]
305/08	• Transition metals [6, 2006.01]	433/20	• • PAN, i.e. polyacrylonitrile [6, 2006.01]
305/10 305/12	Copper [6, 2006.01]Iron [6, 2006.01]		
303/12	1011 [0, 2000.01]	435/00	Use of polymers of unsaturated polycarboxylic acids
307/00	Use of elements other than metals as		as filler [6, 2006.01]
	reinforcement [6, 2006.01]	445/00	Use of polymers of unsaturated cyclic compounds
307/02	• Boron [6, 2006.01]		having no unsaturated aliphatic groups in a side-
307/04	• Carbon [6, 2006.01]		chain, e.g. coumarone-indene resins, as
309/00	Use of inorganic materials not provided for in groups		filler [6, 2006.01]
505700	B29K 303/00-B29K 307/00, as	455/00	Use of specific polymers obtained by polymerisation
	reinforcement [6, 2006.01]		reactions only involving carbon-to-carbon
309/02	• Ceramics [6, 2006.01]		unsaturated bonds, not provided for in a single one
309/04	 Carbides; Nitrides [6, 2006.01] 		of main groups B29K 423/00-B29K 445/00, as
309/06	• Concrete [6, 2006.01]	455/02	filler [6, 2006.01]ABS polymers, i.e. acrylonitrile-butadiene-styrene
309/08	• Glass [6, 2006.01]	700/02	polymers [6, 2006.01]
309/10	• Mica [6, 2006.01]		
309/12	• Asbestos [6, 2006.01]	459/00	Use of polyacetals as filler [6, 2006.01]
311/00	Use of natural products or their composites, not	461/00	Use of condensation polymers of aldehydes or
	provided for in groups B29K 201/00-B29K 309/00, as		ketones, as filler [6, 2006.01]
311/02	reinforcement [6, 2006.01] • Cork [6, 2006.01]	461/04	• Phenoplasts [6, 2006.01]
J11/UZ	GOIA [0, 2000.01]	461/20	• Aminoplasts [6, 2006.01]

463/00	Use of epoxy resins as filler [6, 2006.01]	505/10	• • Copper [6, 2006.01]		
		505/12	• • Iron [6, 2006.01]		
467/00	Use of polyesters as filler [6, 2006.01]	505/14	 Noble metals, e.g. silver, gold or 		
460 /00	Hea of polycophonotes as filley [6, 2006 01]		platinum [6, 2006.01]		
469/00	Use of polycarbonates as filler [6, 2006.01]	=0= /00	** 61		
471/00	Use of polyethers as filler [6, 2006.01]	507/00	Use of elements other than metals as filler [6, 2006.01]		
473/00	Use of other polymers having oxygen as the only	507/02	• Boron [6, 2006.01]		
	hetero atom in the main chain, as filler [6, 2006.01]	507/04	• Carbon [6, 2006.01]		
		500/00	The off comments made the control of the first comments		
475/00	Use of polyureas or polyurethanes as	509/00	Use of inorganic materials not provided for in groups B29K 503/00-B29K 507/00, as filler [6, 2006.01]		
	filler [6, 2006.01]	509/02			
477/00	Use of polyamides, e.g. polyesteramides, as		• Ceramics [6, 2006.01]		
, 00	filler [6, 2006.01]	509/04 509/06	Carbides; Nitrides [6, 2006.01]Concrete [6, 2006.01]		
	• •	509/08	• Glass [6, 2006.01]		
479/00	Use of other polymers having nitrogen, with or				
	without oxygen or carbon only, in the main chain, as	509/10	• Mica [6, 2006.01]		
	filler [6, 2006.01]	509/12	• Asbestos [6, 2006.01]		
481/00	Use of polymers having sulfur, with or without nitrogen, oxygen or carbon only, in the main chain, as filler [6, 2006.01]	511/00	Use of natural products or their composites, not provided for in groups B29K 401/00-B29K 509/00, as filler [6, 2006.01]		
	•	511/02	• Cork [6, 2006.01]		
483/00	Use of polymers having silicon, with or without	511/04	• Linoleum [6, 2006.01]		
	sulfur, nitrogen, oxygen or carbon only, in the main	511/06	 Bone, horn or ivory [6, 2006.01] 		
	chain, as filler [6, 2006.01]	511/08	 Leather [6, 2006.01] 		
485/00	Use of polymers having elements other than silicon,	511/10	 Natural fibres, e.g. wool or cotton [6, 2006.01] 		
1057 00	nitrogen, oxygen or carbon only, in the main chain,	511/12	 Paper, e.g. cardboard [6, 2006.01] 		
	as filler [6, 2006.01]	511/14	 Wood, e.g. woodboard or fibreboard [6, 2006.01] 		
486/00	Use of specific polymers obtained by polycondensation or polyaddition, not provided for in a single one of main groups B29K 459/00-	Composi	npositions for preformed parts, e.g. inserts [6]		
	B29K 485/00, as filler [6, 2006.01]	601/00	Use of cellulose, modified cellulose or cellulose		
491/00	Use of waxes as filler [6, 2006.01]		derivatives, e.g. viscose, for preformed parts, e.g. for inserts [6, 2006.01]		
495/00	Use of bituminous materials as filler [6, 2006.01]	607/00	Use of natural without for professional parts, a g for		
433/00	Ose of Dituminous materials as finer [0, 2000.01]	607700	Use of natural rubber for preformed parts, e.g. for inserts [6, 2006.01]		
496/00	Use of specific macromolecular materials not		1130113 [0, 2000.01]		
	provided for in a single one of main groups	609/00	Use of rubber derived from conjugated dienes, for		
	B29K 401/00-B29K 495/00, as filler [6, 2006.01]		preformed parts, e.g. for inserts [6, 2006.01]		
496/02	 Graft polymers [6, 2006.01] 	609/06	• SB polymers, i.e. butadiene-styrene		
496/04	• Block polymers [6, 2006.01]		polymers [6, 2006.01]		
501/00	Use of unspecified macromolecular compounds as	619/00	Use of rubber not provided for in a single one of		
301/00	filler (use of unspecified rubbers	015/00	main groups B29K 607/00-B29K 609/00, for		
	B29K 421/00) [6, 2006.01]		preformed parts, e.g. for inserts [6, 2006.01]		
501/10	• Thermosetting resins [6, 2006.01]				
501/12	Thermoplastic materials [6, 2006.01]	621/00	Use of unspecified rubbers for preformed parts, e.g.		
	•		for inserts [6, 2006.01]		
503/00	Use of resin-bonded materials as filler [6, 2006.01]	623/00	Use of polyalkenes for preformed parts, e.g. for		
503/04	 Inorganic materials [6, 2006.01] 	0237 00	inserts [6, 2006.01]		
503/06	Metal powders, metal carbides or the				
5 00./00	like [6, 2006.01]	625/00	Use of polymers of vinyl-aromatic compounds for		
503/08	• • Mineral aggregates, e.g. sand, clay or the		preformed parts, e.g. for inserts [6, 2006.01]		
	like [6, 2006.01]	627/00	Use of polyvinylhalogenides for preformed parts, e.g.		
505/00	Use of metals, their alloys or their compounds, as	027700	for inserts [6, 2006.01]		
	filler [6, 2006.01]	627/06	• PVC, i.e. polyvinylchloride [6, 2006.01]		
	Note(s) [6]	627/12	• containing fluorine [6, 2006.01]		
	Note(s) [6]	627/18	 PTFE, i.e. polytetrafluoroethene [6, 2006.01] 		
	Alloys or compounds of specified metals are indexed		• •		
FOE /02	with the same code as the specified metals.	629/00	Use of polyvinylalcohols, polyvinylethers,		
505/02	• Aluminium [6, 2006.01]		polyvinylaldehydes, polyvinylketones or		
505/04	• Lead [6, 2006.01]		polyvinylketals for preformed parts, e.g. for		
505/06	• Tin [6, 2006.01]		inserts [6, 2006.01]		
505/08	 Transition metals [6, 2006.01] 				

631/00	Use of polyvinylesters for preformed parts, e.g. for inserts [6, 2006.01]	685/00	Use of polymers having elements other than silicon, nitrogen, oxygen or carbon only, in the main chain, for preformed parts, e.g. for inserts [6, 2006.01]
633/00	Use of polymers of unsaturated acids or derivatives thereof, for preformed parts, e.g. for inserts (B29K 635/00 takes precedence) [6, 2006.01]	686/00	Use of specific polymers obtained by polycondensation or polyaddition, not provided for
633/04	 Polymers of esters [6, 2006.01] 		in a single one of main groups B29K 659/00-
633/18	 Polymers of nitriles [6, 2006.01] 		B29K 685/00, for preformed parts, e.g. for
633/20	• • PAN, i.e. polyacrylonitrile [6, 2006.01]		inserts [6, 2006.01]
	, p,	504 /00	
635/00	Use of polymers of unsaturated polycarboxylic acids for preformed parts, e.g. for inserts [6, 2006.01]	691/00	Use of waxes for preformed parts, e.g. for inserts [6, 2006.01]
645/00	Use of polymers of unsaturated cyclic compounds having no unsaturated aliphatic groups in a side-	695/00	Use of bituminous materials for preformed parts, e.g. for inserts [6, 2006.01]
	chain, e.g. coumarone-indene resins, for preformed parts, e.g. for inserts [6, 2006.01]	696/00	Use of specific macromolecular materials not provided for in a single one of main groups
655/00	Use of specific polymers obtained by polymerisation		B29K 601/00-B29K 695/00, for preformed parts, e.g. for inserts [6, 2006.01]
	reactions only involving carbon-to-carbon	COC /OD	
	unsaturated bonds, not provided for in a single one	696/02	• Graft polymers [6, 2006.01]
	of main groups B29K 623/00-B29K 645/00, for	696/04	• Block polymers [6, 2006.01]
	preformed parts, e.g. for inserts [6, 2006.01]	701/00	Use of unspecified macromolecular compounds for
655/02	 ABS polymers, i.e. acrylonitrile-butadiene-styrene polymers [6, 2006.01] 	701700	preformed parts, e.g. for inserts (use of unspecified rubbers B29K 621/00) [6, 2006.01]
659/00	Use of polyacetals for preformed parts, e.g. for	701/10	 Thermosetting resins [6, 2006.01]
	inserts [6, 2006.01]	701/12	 Thermoplastic materials [6, 2006.01]
004 /00	T	500/00	T. 6 . 1 . 1
661/00	Use of condensation polymers of aldehydes or	703/00	Use of resin-bonded materials for preformed parts,
	ketones, for preformed parts, e.g. for	E02/04	e.g. for inserts [6, 2006.01]
CC1 /0.4	inserts [6, 2006.01]	703/04	• Inorganic materials [6, 2006.01]
661/04	• Phenoplasts [6, 2006.01]	703/06	Metal powders, metal carbides or the
661/20	• Aminoplasts [6, 2006.01]	5 00.400	like [6, 2006.01]
663/00	Use of epoxy resins for preformed parts, e.g. for inserts [6, 2006.01]	703/08	 • Mineral aggregates, e.g. sand, clay or the like [6, 2006.01]
667/00	Use of polyesters for preformed parts, e.g. for inserts [6, 2006.01]	705/00	Use of metals, their alloys or their compounds, for preformed parts, e.g. for inserts [6, 2006.01]
CC0 /00	The of color hands for a few and a second color		Note(s) [6]
669/00	Use of polycarbonates for preformed parts, e.g. for inserts [6, 2006.01]		Alloys or compounds of specified metals are indexed with the same code as the specified metals.
671/00	Use of polyethers for preformed parts, e.g. for	705/02	• Aluminium [6, 2006.01]
	inserts [6, 2006.01]	705/04	• Lead [6, 2006.01]
		705/06	• Tin [6, 2006.01]
673/00	Use of other polymers having oxygen as the only	705/08	 Transition metals [6, 2006.01]
	hetero atom in the main chain, for preformed parts,	705/10	• • Copper [6, 2006.01]
	e.g. for inserts [6, 2006.01]	705/12	• • Iron [6, 2006.01]
675/00	Use of polyureas or polyurethanes for preformed	705/14	 Noble metals, e.g. silver, gold or
075700	parts, e.g. for inserts [6, 2006.01]		platinum [6, 2006.01]
677/00	Use of polyamides, e.g. polyesteramides, for	707/00	Use of elements other than metals for preformed
	preformed parts, e.g. for inserts [6, 2006.01]		parts, e.g. for inserts [6, 2006.01]
	Land the state of	707/02	• Boron [6, 2006.01]
679/00	Use of other polymers having nitrogen, with or	707/04	• Carbon [6, 2006.01]
	without oxygen or carbon only, in the main chain, for preformed parts, e.g. for inserts [6, 2006.01]	709/00	Use of inorganic materials not provided for in groups B29K 703/00-B29K 707/00, for preformed parts, e.g.
681/00	Use of polymers having sulfur, with or without		for inserts [6, 2006.01]
	nitrogen, oxygen or carbon only, in the main chain,	709/02	• Ceramics [6, 2006.01]
	for preformed parts, e.g. for inserts [6, 2006.01]	709/02	• • Carbides; Nitrides [6, 2006.01]
683/00	Use of polymers having silicon, with or without	709/06	• Concrete [6, 2006.01]
	sulfur, nitrogen, oxygen or carbon only, in the main	709/08	• Glass [6, 2006.01]
	chain, for preformed parts, e.g. for	709/10	• Mica [6, 2006.01]
	inserts [6, 2006.01]	709/12	• Asbestos [6, 2006.01]

711/00	Use of natural products or their composites, not	711/06	•	Bone, horn or ivory [6, 2006.01]
	provided for in groups B29K 601/00-B29K 709/00,	711/08	•	Leather [6, 2006.01]
	for preformed parts, e.g. for inserts [6, 2006.01]	711/10	•	Natural fibres, e.g. wool or cotton [6, 2006.01]
711/02	• Cork [6, 2006.01]	711/12	•	Paper, e.g. cardboard [6, 2006.01]
711/04	• Linoleum [6, 2006.01]	711/14	•	Wood, e.g. woodboard or fibreboard [6, 2006.01]

B29L INDEXING SCHEME ASSOCIATED WITH SUBCLASS B29C, RELATING TO PARTICULAR ARTICLES [4]

Note(s) [4]

This subclass constitutes an indexing scheme associated with subclass B29C.

1/00	Articles provided with screw threads [4, 2006.01]	30/00	Pneumatic or solid tyres or parts thereof (inner tubes B29L 23/24) [4, 2006.01]
5/00	Elements of slide fasteners [4, 2006.01]		•
7/00	Plat and deep of Class on the sta (D201 24/00 tales	31/00	Other particular articles [4, 2006.01]
7/00	Flat articles, e.g. films or sheets (B29L 24/00 takes precedence) [4, 2006.01]	31/04	• Bearings [4, 2006.01]
	precedence) [4, 2000.01]	31/06	• Rods, e.g. connecting rods [4, 2006.01]
9/00	Layered products [4, 2006.01]	31/08	 Blades for rotors, stators, fans, turbines or the like, e.g. screw propellers [4, 2006.01]
11/00	Optical elements, e.g. lenses, prisms [4, 2006.01]	31/10	 Building elements, e.g. bricks, blocks, tiles, panels, posts, beams [4, 2006.01]
12/00	Frames [4, 2006.01]	31/12	• Chains [4, 2006.01]
45/00		31/14	• Filters, sieves or screens [4, 2006.01]
15/00	Gear wheels or similar articles with grooves or projections, e.g. control knobs [4, 2006.01]	31/16	 Frictional elements, e.g. brake or clutch linings [4, 2006.01]
16/00	Articles with corrugations (B29L 23/18 takes	31/18	Heat-exchangers or parts thereof [4, 2006.01]
10/00	precedence) [4, 2006.01]	31/20	• Fuel-blocks, e.g. nuclear fuel elements [4, 2006.01]
		31/22	• Hinges [4, 2006.01]
17/00	Carriers of records containing fine grooves or impressions, e.g. disc records for needle playback,	31/24	• Pipe joints or couplings (B29L 31/26 takes precedence) [4, 2006.01]
	cylinder records [4, 2006.01]	31/26	 Sealing devices, e.g. packaging for pistons or pipe joints [4, 2006.01]
19/00	Buttons or semi-finished parts of buttons [4, 2006.01]	31/28	• Tools, e.g. cutlery [4, 2006.01]
21/00	Hair combs or similar toothed or slotted articles [4, 2006.01]	31/30	 Vehicles, e.g. ships or aircraft, or body parts thereof [4, 2006.01]
	ur ticles [4, 2000.01]	31/32	 Wheels, pinions, pulleys, castors or
22/00	Hollow articles (tubular articles B29L 23/00; pneumatic		rollers [4, 2006.01]
	tyres B29L 30/00) [4, 2006.01]	31/34	 Electrical apparatus, e.g. sparking plugs or parts
22/02	• Inflatable articles (balls B29L 31/54) [5, 2006.01]		thereof [4, 2006.01]
23/00	Tubular articles (B29L 24/00 takes	31/36	• • Plugs, connectors, or parts thereof [4, 2006.01]
23/00	precedence) [4, 2006.01]	31/38	Loudspeaker cones; Acoustic
23/14	• Cigar or cigarette holders [4, 2006.01]	21 / 40	diaphragms [4, 2006.01]
23/18	• Pleated hoses [4, 2006.01]	31/40 31/42	• Test specimens [4, 2006.01]
23/20	Flexible squeeze tubes, e.g. for	31/44	Brushes [4, 2006.01]Furniture or parts thereof [4, 2006.01]
	cosmetics [4, 2006.01]	31/44	Knobs or handles [4, 2006.01]
23/24	• Endless tubes, e.g. inner tubes for pneumatic	31/48	Wearing apparel [4, 2006.01]
	tyres [6, 2006.01]	31/50	 Footwear, e.g. shoes or parts thereof [4, 2006.01]
24/00	Auticles with hollow walls [4, 2006 01]	31/52	• Sports equipment; Toys (B29L 31/54 takes
24/00	Articles with hollow walls [4, 2006.01]	51/52	precedence) [4, 2006.01]
25/00	Frameless domes [4, 2006.01]	31/54	• Balls [4, 2006.01]
		31/56	Stoppers or lids for bottles, jars, or the
28/00	Nets or the like [4, 2006.01]		like [4, 2006.01]
29/00	Belts or bands [4, 2006.01]	31/58	 Upholstery or cushions, e.g. vehicle upholstery or interior padding [4, 2006.01]
		31/60	 Multitubular or multicompartmented articles, e.g. honeycomb [4, 2006.01]