

B29 WORKING OF PLASTICS; WORKING OF SUBSTANCES IN A PLASTIC STATE IN GENERAL (processing doughs A21C; working chocolate A23G; casting of metals B22; working cement, clay B28; chemical aspects, see section C, particularly C08; working glass C03B; candle making C11C 5/02; making soap C11D 13/00; manufacture of artificial filaments, threads, fibres, bristles or ribbons D01D, D01F; manufacture of articles from cellulosic fibrous suspensions or from papier-mâche D21J)

B29D PRODUCING PARTICULAR ARTICLES FROM PLASTICS OR FROM SUBSTANCES IN A PLASTIC STATE (making granules B29B 9/00; making preforms B29B 11/00) [4]

- (1) Attention is drawn to Note (3) following the title of class B29. [4]
 (2) Layered products or laminating methods are further classified in subclass B32B. [8]

In this subclass, it is desirable to add the indexing codes of subclass B29K. [4]

1/00	Producing articles provided with screw threads	21/00	Producing hair combs or similar toothed or slotted articles
5/00	Producing elements of slide fasteners; Combined making and attaching of elements of slide fasteners [4]	21/04	. by sawing, milling, cutting, or similar operations
5/02	. the fasteners having separate interlocking members [4]	21/06	. Polishing
5/04	. the interlocking members being formed by continuous meander of filamentary material [4]	22/00	Producing hollow articles (tubular articles B29D 23/00; pneumatic tyres B29D 30/00) [4]
5/06	. the interlocking members being formed by continuous helix [4]	22/02	. Inflatable articles [7]
5/08	. the interlocking members being formed by profiled or castellated edge of a stringer [4]	22/04	. Spherical articles, e.g. balls (B29D 22/02 takes precedence) [7]
5/10	. the interlocking members being formed by continuous profiled strip [4]	23/00	Producing tubular articles (B29D 24/00 takes precedence) [4]
7/00	Producing flat articles, e.g. films or sheets (B29D 24/00 takes precedence) [4]	23/14	. Cigar or cigarette holders [4]
7/01	. Films or sheets [4]	23/18	. Pleated hoses [4]
11/00	Producing optical elements, e.g. lenses, prisms (grinding or polishing of optical elements B24B; constructional form of optical elements G02B) [4]	23/20	. Flexible squeeze tubes, e.g. for cosmetics [4]
11/02	. Artificial eyes from organic plastic material	23/24	. Endless tubes, e.g. inner tubes for pneumatic tyres [6]
12/00	Producing frames	24/00	Producing articles with hollow walls [4]
12/02	. Spectacle frames (constructional form G02C)	25/00	Producing frameless domes
15/00	Producing gear wheels or similar articles with grooves or projections, e.g. control knobs	28/00	Producing nets or the like (by knotting D04G) [4]
16/00	Producing articles with corrugations (B29D 23/18 takes precedence) [4]	29/00	Producing belts or bands [4]
17/00	Producing carriers of records containing fine grooves or impressions, e.g. disc records for needle playback, cylinder records (recording sound or other information using formed grooves or the equivalent G11B); Producing record discs from master stencils [4,6]	29/06	. Conveyer belts [4]
19/00	Producing buttons or semi-finished parts of buttons	29/08	. Toothed driving belts [4]
19/04	. by cutting, milling, turning, stamping, or perforating moulded parts; Surface treatment of buttons	29/10	. Driving belts having wedge-shaped cross-section [4]
19/06	. . Devices for feeding semi-finished parts to the processing machines	30/00	Producing pneumatic or solid tyres or parts thereof (producing inner tubes B29D 23/24; constructional form of tyres or parts thereof B60C; connection of valves to inflatable elastic bodies B60C 29/00; testing of tyres G01M 17/02) [4]
19/08	. . Making holes in buttons or in semi-finished parts thereof	30/02	. Solid tyres [4]
		30/04	. Resilient fillings for rubber tyres; Filling tyres therewith [4]
		30/06	. Pneumatic tyres or parts thereof [4]
		30/08	. . Building tyres [4]
		30/10	. . . on round cores, i.e. the shape of the core is approximately identical with the shape of the completed tyre [4]
		30/12	 Cores [4]
		30/14	 Rolling-down or pressing-down the layers in the building process [4]
		30/16	 Applying the layers; Guiding or stretching the layers during application [4]

B29D

- 30/18 Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores **[4]**
- 30/20 by the flat-tyre method, i.e. building on cylindrical drums **[4]**
- 30/22 Breaker plies being applied in the unexpanded state **[4]**
- 30/24 Drums **[4]**
- 30/26 Accessories or details, e.g. membranes, transferrings **[4]**
- 30/28 Rolling-down or pressing-down the layers in the building process **[4]**
- 30/30 Applying the layers; Guiding or stretching the layers during application **[4]**
- 30/32 Fitting the bead-rings or bead-cores; Folding the textile layers around the rings or cores **[4]**
- 30/34 by jointly covering two bead-rings, located parallel to each other at a distance apart, with fabric or cord layers **[4]**
- 30/36 . . 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]**
- 30/38 . . Textile inserts, e.g. cord or canvas layers, for tyres (making woven fabrics D03D); Treatment of inserts prior to building the tyre (pretreatment of inserts B29B 15/00; manufacture of layers comprising fibrous parallel reinforcements of substantial or continuous length B29C 70/20) **[4]**
- 30/40 Chemical pretreatment of textile inserts before building the tyre **[4]**
- 30/42 Endless textile bands without bead-rings **[4]**
- 30/44 Stretching or treating the layers before application on the drum (during application B29D 30/30) **[4]**
- 30/46 Cutting textile inserts to required shape **[4]**
- 30/48 . . Bead-rings or bead-cores (from wire B21F 37/00); Treatment thereof prior to building the tyre **[4]**
- 30/50 Covering, e.g. by winding, the separate bead-rings or bead-cores with textile material, e.g. with flipper strips (folding textile layers around bead-rings or bead-cores B29D 30/18, B29D 30/32; jointly covering bead-rings or bead-cores B29D 30/34) **[4]**
- 30/52 Unvulcanised treads, e.g. on used tyres; Retreading (apparatus for forming and vulcanising treads B29C 35/02; apparatus characterised by the means for holding wheels or parts thereof B60B 30/00) **[4,5]**
- 30/54 Retreading **[4]**
- 30/56 Retreading with prevulcanised tread **[4]**
- 30/58 Applying bands of rubber treads, i.e. applying camel backs **[4]**
- 30/60 by winding narrow strips **[4]**
- 30/62 by extrusion or injection of the tread on carcass **[4]**
- 30/64 Tyre spreaders **[4]**
- 30/66 Moulding treads on to tyre casings, e.g. non-skid treads with spikes **[4]**
- 30/68 Cutting profiles into the treads of tyres **[4]**
- 30/70 . . Annular breakers **[4]**
- 30/72 . . Side-walls **[4]**
- 31/00 Producing other particular articles** (artificial teeth A61C 13/08)
- 31/02 . Bushes for bearings
- 31/50 . Footwear **[6]**
- (1) Classification is made in this group if the moulding technique is of interest. **[6]**
- (2) The assembling of individual parts by mechanical joining is classified in subclass A43D, e.g. by gluing shoe parts A43D 25/00. **[6]**
- 31/502 . . made in one piece using a moulding technique, e.g. by injection moulding, casting **[6]**
- 31/505 . . . having multilayered parts **[6]**
- 31/508 . . having soles or heels formed and joined on to preformed uppers using a moulding technique, e.g. by injection moulding, pressing and vulcanising **[6]**
- 31/51 . . . having multilayered parts **[6]**
- 31/512 . . 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 **[6]**
- 31/515 . . Producing parts thereof, e.g. soles, heels, uppers, by a moulding technique **[6]**
- 31/518 . . . Multilayered parts **[6]**