

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

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

#### 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)

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

##### Subclass index

##### PRETREATMENT

Mixing; kneading.....	7/00
Conditioning.....	13/00
Other pretreatment.....	15/00
MAKING GRANULES OR PREFORMS.....	9/00, 11/00
RECOVERY OF PLASTICS.....	17/00

<b>7/00</b>	<b>Mixing; Kneading</b> (in general B01F; combined with calendering B29C 43/24, with injection B29C 45/46, with extrusion B29C 47/36) [4]	7/56	• • • • with co-operating rollers [4]
7/02	• non-continuous, with mechanical mixing or kneading devices, i.e. batch type [4]	7/58	• • Component parts, details or accessories; Auxiliary operations [4]
7/04	• • with non-movable mixing or kneading devices [4]	7/60	• • • for feeding, e.g. end guides for the incoming material [4]
7/06	• • with movable mixing or kneading devices [4]	7/62	• • • Rollers, e.g. with grooves [4]
7/08	• • • shaking, oscillating or vibrating [4]	7/64	• • • Stripping the material from the rollers [4]
7/10	• • • rotary [4]	7/66	• • • Recycling the material [4]
7/12	• • • • with single shaft [4]	7/68	• • • Positioning of rollers [4]
7/14	• • • • • with screw or helix [4]	7/70	• • • Conditioning of rollers, e.g. cleaning [4]
7/16	• • • • • with paddles or arms [4]	7/72	• • • Measuring, controlling or regulating [4]
7/18	• • • • • with more than one shaft [4]	7/74	• using other mixers or combinations of dissimilar mixers [4]
7/20	• • • • • with intermeshing devices, e.g. screws [4]	7/76	• • with stream impingement mixing head [4]
7/22	• • Component parts, details or accessories; Auxiliary operations [4]	7/78	• • by gravity, e.g. falling particle mixers [4]
7/24	• • • for feeding [4]	7/80	• Component parts, details or accessories; Auxiliary operations (B29B 7/22, B29B 7/58 take precedence) [4]
7/26	• • • for discharging, e.g. doors [4]	7/82	• • Heating or cooling [4]
7/28	• • • for measuring, controlling or regulating, e.g. viscosity control [4]	7/84	• • Venting or degassing [4]
7/30	• continuous, with mechanical mixing or kneading devices [4]	7/86	• • for working at sub- or superatmospheric pressure [4]
7/32	• • with non-movable mixing or kneading devices [4]	7/88	• • Adding charges [4]
7/34	• • with movable mixing or kneading devices [4]	7/90	• • • Fillers or reinforcements [4]
7/36	• • • shaking, oscillating or vibrating [4]	7/92	• • • • Wood chips or wood fibres [4]
7/38	• • • rotary (B29B 7/52 takes precedence) [4]	7/94	• • • Liquid charges [4]
7/40	• • • • with single shaft [4]	<b>9/00</b>	<b>Making granules</b> (in general B01J; chemical aspects C08J 3/12) [4]
7/42	• • • • • with screw or helix [4]	9/02	• by dividing preformed material [4]
7/44	• • • • • with paddles or arms [4]	9/04	• • in the form of plates or sheets [4]
7/46	• • • • • with more than one shaft [4]	9/06	• • in the form of filamentary material, e.g. combined with extrusion [4]
7/48	• • • • • with intermeshing devices, e.g. screws [4]	9/08	• by agglomerating smaller particles [4]
7/50	• • • • • with rotary casing [4]	9/10	• by moulding the material, i.e. treating it in the molten state [4]
7/52	• • • • with rollers or the like, e.g. calenders [4]		
7/54	• • • • • with a single roller co-operating with a stationary member [4]		

## B29B

- 9/12 • characterised by structure or composition [4]
- 9/14 • • fibre-reinforced [4]
- 9/16 • Auxiliary treatment of granules [4]
- 11/00 Making preforms** (B29C 61/06 takes precedence) [4]
  - 11/02 • by dividing preformed material, e.g. sheets, rods [4]
  - 11/04 • by assembling preformed material [4]
  - 11/06 • by moulding the material [4]
  - 11/08 • • Injection moulding [4]
  - 11/10 • • Extrusion moulding [4]
  - 11/12 • • Compression moulding [4]
  - 11/14 • characterised by structure or composition [4]
  - 11/16 • • comprising fillers or reinforcements [4]
- 13/00 Conditioning or physical treatment of the material to be shaped** (chemical aspects C08J 3/00) [4]
  - 13/02 • by heating (B29B 13/06, B29B 13/08 take precedence) [4]
  - 13/04 • by cooling [4]
  - 13/06 • by drying (B29B 13/08 takes precedence) [4]
  - 13/08 • by using wave energy or particle radiation [4]
- 13/10 • by grinding, e.g. by triturating; by sieving; by filtering [4]
- 15/00 Pretreatment of the material to be shaped, not covered by groups B29B 7/00-B29B 13/00** [4]
  - 15/02 • of crude rubber, gutta-percha, or similar substances (tapping latex A01G; chemical aspects C08C) [4]
  - 15/04 • • Coagulating devices [4]
  - 15/06 • • Washing devices [4]
  - 15/08 • of reinforcements or fillers (chemical aspects C08J, C08K) [4]
  - 15/10 • • Coating or impregnating (applying liquids in general B05) [4]
  - 15/12 • • • of reinforcements of indefinite length [4]
  - 15/14 • • • • of filaments or wires [4]
- 17/00 Recovery of plastics or other constituents of waste material containing plastics** (chemical recovery C08J 11/00) [4]
  - 17/02 • Separating plastics from other materials [4]
  - 17/04 • Disintegrating plastics (B29B 9/02, B29B 11/02, B29B 13/10 take precedence) [2006.01]