

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)

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]

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

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

7/00 Mixing; Kneading (in general B01F; combined with calendaring B29C 43/24, with injection B29C 45/46, with extrusion B29C 47/36) [4]
7/02 . . non-continuous, with mechanical mixing or kneading devices, i.e. batch type [4]
7/04 . . with non-movable mixing or kneading devices [4]
7/06 . . with movable mixing or kneading devices [4]
7/08 . . . shaking, oscillating or vibrating [4]
7/10 . . . rotary [4]
7/12 with single shaft [4]
7/14 with screw or helix [4]
7/16 with paddles or arms [4]
7/18 with more than one shaft [4]
7/20 with intermeshing devices, e.g. screws [4]
7/22 . . Component parts, details or accessories; Auxiliary operations [4]
7/24 . . . for feeding [4]
7/26 . . . for discharging, e.g. doors [4]
7/28 . . . for measuring, controlling or regulating, e.g. viscosity control [4]
7/30 . continuous, with mechanical mixing or kneading devices [4]
7/32 . . with non-movable mixing or kneading devices [4]
7/34 . . with movable mixing or kneading devices [4]
7/36 . . . shaking, oscillating or vibrating [4]
7/38 . . . rotary (B29B 7/52 takes precedence) [4]
7/40 with single shaft [4]
7/42 with screw or helix [4]
7/44 with paddles or arms [4]
7/46 with more than one shaft [4]
7/48 with intermeshing devices, e.g. screws [4]
7/50 with rotary casing [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]
7/56 with co-operating rollers [4]
7/58 . . Component parts, details or accessories; Auxiliary operations [4]
7/60 . . . for feeding, e.g. end guides for the incoming material [4]
7/62 . . . Rollers, e.g. with grooves [4]
7/64 . . . Stripping the material from the rollers [4]
7/66 . . . Recycling the material [4]

7/68 . . . Positioning of rollers [4]
7/70 . . . Conditioning of rollers, e.g. cleaning [4]
7/72 . . . Measuring, controlling or regulating [4]
7/74 . using other mixers or combinations of dissimilar mixers [4]
7/76 . . with stream impingement mixing head [4]
7/78 . . by gravity, e.g. falling particle mixers [4]
7/80 . Component parts, details or accessories; Auxiliary operations (B29B 7/22, B29B 7/58 take precedence) [4]
7/82 . . Heating or cooling [4]
7/84 . . Venting or degassing [4]
7/86 . . for working at sub- or superatmospheric pressure [4]
7/88 . . Adding charges [4]
7/90 . . . Fillers or reinforcements [4]
7/92 Wood chips or wood fibres [4]
7/94 . . . Liquid charges [4]
9/00 Making granules (in general B01J; chemical aspects C08J 3/12) [4]
9/02 . by dividing preformed material [4]
9/04 . . in the form of plates or sheets [4]
9/06 . . in the form of filamentary material, e.g. combined with extrusion [4]
9/08 . by agglomerating smaller particles [4]
9/10 . by moulding the material, i.e. treating it in the molten state [4]
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]

B29B

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) [8]