

## 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

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|------|---|------|--|
| 7/00 | <b>Mixing; Kneading</b> (in general B01F; combined with calendaring 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]   | 9/00 | <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]