

Title (en)

METHOD FOR PRODUCING PARTICLE-SHAPED POLYMERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON TEILCHENFÖRMIGEN POLYMERISATEN

Title (fr)

PROCEDE POUR PRODUIRE DES POLYMERES PARTICULAIRES

Publication

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Application

EP 99907397 A 19990121

Priority

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- EP 9900393 W 19990121

Abstract (en)

[origin: DE19802128A1] An elastomeric particulate polymer is prepared using ethylenically unsaturated monomers in the presence of a radical initiator has a small particle size and is readily precipitated from a dispersion. The elastomeric particulate polymer (I) is prepared by: (a) dispersing (A11) 85-100 wt.% ethylenically unsaturated monomers, whose homopolymer is elastomeric and (A12) 0-15 wt.% of a crosslinking monomer in water in the presence of a protective colloid and an emulsifier to form a dispersion having an average particle diameter of 0.08-8 micro m; (b) polymerization of the droplets with a radical polymerization initiator; and optionally (c) graft polymerization of the resulting mixture in the presence of ethylenically unsaturated monomers. Independent claims are included for: (i) a molding composition comprising 0.1-80 wt.% of (A); 20-99.9 wt.% of a polymer matrix (B); 0-50 wt.% of a fibrous or particulate filler (C); and 0-30 wt.% of further additives (D). (ii) fiber, film or molded articles prepared from the molding composition.

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