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ABSTRACT

A process for continuously preparing rubber modified styrene resins from styrene monomers and acrylonitrile monomers in the presence of a rubbery polymer in accordance with a continuous mass and/or solution polymerization method by the use of serial polymerization device comprising two or more reactors; said process comprising

- (1) a first step of feeding a polymeric materials to the first reactor to carry out the polymerization of monomers in a condition where the rubbery polymer is not inverted to the dispersed phase, and a second step of adding a polymeric materials to second reactors to carry out the polymerization of the monomers and to thus invert the rubbery polymer to the dispersed phase,
- (2) a ratio of the added materials to the materials used in the first step being in the range of from 10 to 220% by weight,

whereby impact resistance and surface gloss can be remarkably improved.

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