

Title (en)

METHOD FOR THE ANIONIC POLYMERISATION OF HIGH-IMPACT POLYSTYRENE

Title (de)

VERFAHREN ZUR ANIONISCHEN POLYMERISATION VON SCHLAGZÄHEM POLYSTYROL

Title (fr)

PROCEDE POUR LA POLYMERISATION ANIONIQUE DE POLYSTYRENE RESILIENT

Publication

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Application

**EP 03778279 A 20031021**

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Abstract (en)

[origin: WO2004039855A1] The invention relates to an anionic polymerisation method for producing impact-resistant polystyrene, according to which 1) a rubber solution is produced from diene monomers or diene and styrene monomers by anionic solvent polymerisation using lithium organyl, 2) aluminium organyl is added until the molar ratio Al/Li > 1, (or > 0.5 for dialkylaluminium phenolates), 3) a styrene monomer is added, 4) lithium organyl or lithium organyl and aluminium organyl is/are added until the molar ratio Al/Li < 1, (or < 0.5 for dialkylaluminium phenolates) and the mixture is then polymerised.

IPC 1-7

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