

Title (en)

PEARL-SHAPED, EXPANDABLE STYRENE POLYMERS CONTAINING STERICALLY HINHIBITED PHENOLS

Title (de)

PERLFORMIGE, EXPANDIERBARE STYROLPOLYMERISATE, ENTHALTEND STERISCH GEHINDERTE PHENOLE

Title (fr)

POLYMERES EXPANSIBLES DE STYRENE EN PERLES CONTENANT DES PHENOLS STERIQUEMENT INHIBES

Publication

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Application

EP 94927578 A 19940907

Priority

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Abstract (en)

[origin: CA2171867A1] Pearl-shaped, expandable styrene polymers contain (a) a styrene polymer; (b) 0.03 to 1.5 % by weight, in relation to (a), of a sterically inhibited phenol homogenously distributed in the styrene polymer and/or applied as a coating on the surface of the styrene polymer; (c) an expanding agent or mixture of expanding agents; and if required (d) effective amounts of usual additives. Also disclosed is a process for producing said polymers, according to which styrene, if required with other comonomers, is polymerised in an aqueous suspension in the presence of suspension stabilisers and usual styrene-soluble polymerisation catalysts, with addition of an expanding agent or mixture of expanding agents, and if required of an effective amount of usual additives and of up to 1.5 % by weight, in relation to styrene and comonomers, of sterically hindered phenols. The thus obtained pearl-shaped, expandable styrene polymers are coated with up to 1.5 % by weight, in relation to the expanding agent-free styrene polymer, of sterically inhibited phenols, provided that the expandable styrene polymers that are homogenously distributed in the styrene polymer and/or applied as a surface coating contain in total 0.03 to 1.5 % by weight of sterically inhibited phenols, in relation to the styrene polymer.

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CPC (source: EP KR)

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