

Title (en)

High strength fibers of stereoregular polystyrene.

Title (de)

Fasern von hoher Festigkeit aus stereoregulärem Polystyren.

Title (fr)

Fibres à haute résistance de polystyrène stéréo-régulier.

Publication

EP 0351707 A2 19900124 (EN)

Application

EP 89112750 A 19890712

Priority

US 22347488 A 19880722

Abstract (en)

The invention is a crystalline fiber comprising syndiotactic polystyrene, or a mixture. Preferably the fiber is a high strength fiber isotactic polystyrene and syndiotactic polystyrene wherein the fiber is monoaxially oriented, has a tensile strength of 10,000 psi or greater, and a modulus of 1,000,000 psi or greater. In another aspect the invention is a process for the preparation of fibers of syndiotactic polystyrene, or a mixture of isotactic polystyrene and syndiotactic polystyrene.

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