

Title (en)
ELONGATION-INCREASING AGENT FOR THE PRODUCTION OF SYNTHETIC THREADS FROM MELT-SPINNABLE FIBER-FORMING MATRIX POLYMERS

Title (de)
DEHNUNGSERHÖHUNGSMITTEL FÜR DIE HERSTELLUNG VON SYNTHETISCHEN FÄDEN AUS SCHMELZSPINNbaren FASERBILDENDEN MATRIX-POLYMEREN

Title (fr)
AGENT AUGMENTANT LA DILATATION DESTINE A LA PRODUCTION DE FILS SYNTHETIQUES A PARTIR DE MATRICES POLYMERIQUES FORMANT DES FIBRES ET FILABLES A CHAUD

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Application
EP 04725925 A 20040406

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Abstract (en)
[origin: WO2004097083A1] The invention relates to an elongation-increasing agent which can be processed in an amorphous and thermoplastic manner, is made of radically polymerized, vinylic monomers, and is used for producing synthetic threads from a melt-spinnable fiber-forming matrix polymer that is incompatible with the elongation-increasing agent. The invention is characterized in that the elongation-increasing agent is thermally stabilized by adding an antioxidant substance such that said elongation-increasing agent is provided with a maximum total monomer content of 6 percent by weight after being thermally loaded at 290 DEG C for 30 minutes in an argon atmosphere. The invention further relates to granular plastic materials containing said elongation-increasing agent and a method for the production thereof. Also disclosed is a method for producing synthetic threads from a polymer mixture of a melt-spinnable, fiber-forming matrix polymer and an elongation-increasing agent in a melt-spinning process, and the subsequent use of said synthetic threads.

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