

Title (en)

METHOD FOR THE PRODUCTION OF HYDROLYSIS STABILIZED POLYESTER MONOFILAMENTS AND USE THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HYDROLYSESTABILISIERTEN MONOFILAMENTEN AUS POLYESTER UND DEREN VERWENDUNG

Title (fr)

PROCEDE DE FABRICATION DE MONOFILAMENTS DE POLYESTER STABILISES PAR HYDROLYSE ET UTILISATION DESDITS FILAMENTS

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Application

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Abstract (en)

[origin: US6528161B1] The invention relates to a method for the production of hydrolysis stabilized polyester monofilaments having a diameter of 0.12-0.80 mm viscosity index (VI) of at least 90 ml/g, wherein a liquid additive mixture consisting of ethylene carbonate and an alkylphosphonium salt as a catalyst is continuously added in a metered manner immediately in front of the extruder. The monofilament produced according to the inventive method is characterized by a residual tear strength of more than 55% after a 6-day period of treatment in water at a temperature of 125° C. and by a viscosity index of at least 75 ml/g.

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