

Title (en)  
POLYESTER FILAMENTS AND METHOD FOR MANUFACTURING SAME

Title (de)  
POLYESTERFILAMENTE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
FILAMENTS EN POLYESTER ET PROCEDE DE FABRICATION D'UN TEL FILAMENT

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Application  
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Abstract (en)  
[origin: WO9801609A1] The invention concerns polyester filaments and method for manufacturing same. More particularly it concerns a filament made of glycol ethylene polyterephthalate or polynaphtalate having high mechanical properties, and a method for stretching polyester filaments. It is obtained by a stretching process comprising two steps including a first step in which a low stretching ratio is applied, to cause minimal crystallisation of the polymer and, a second step with a high stretching ratio. The global stretching ratio can reach values higher than 12. The filament has in particular an expanded elastic range that enables the improvement of its useful properties, for instance for manufacturing screen printing grids.

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