

Title (en)  
High strength polyester yarn.

Title (de)  
Polyestergarn mit hoher Festigkeit.

Title (fr)  
Fil polyester à haute résistance.

Publication  
**EP 0295147 A2 19881214 (EN)**

Application  
**EP 88305370 A 19880613**

Priority  
JP 14763287 A 19870612

Abstract (en)  
A polyester yarn comprising primarily polyethylene terephthalate for use in reinforcing rubber goods and having the following properties: (a) an intrinsic viscosity of at least 0.91, (b) a tenacity of at least 8 g/d, (c) E2.25 of 4.5 percent or less, (d) DELTA Hmf of at least 11.5 cal/g, (e) (Tmf - TmF) of at least 20 DEG C, and (f) an amorphous orientation function of 0.75 or less, wherein E2.25 is the elongation under a load of 2.25 g/d, DELTA Hmf is the amount of heat at the melting peak in differential scanning calorimeter (DSC), Tmf is the melting point measured by DSC under a tension of 0.05 g/d, and TmF is the melting point measured by DSC under no tension. or use

IPC 1-7  
**D01F 6/62**

IPC 8 full level  
**D01D 5/084** (2006.01); **D01F 6/62** (2006.01); **D01F 6/92** (2006.01)

CPC (source: EP)  
**D01F 6/62** (2013.01)

Cited by  
US5067538A; CN110004512A; EP0341920A3; US5049447A; EP0546859A3; US5472781A; USRE36698E; WO9004667A1; EP0491947B1

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