

Title (en)  
Melt extruded monofilament

Title (de)  
Schmelzextrudiertes Monofilament

Title (fr)  
Monofilament extrudé à l'état fondu

Publication  
**EP 0844320 A3 19990113 (DE)**

Application  
**EP 97118497 A 19971024**

Priority  
• DE 19648092 A 19961120  
• DE 19648884 A 19961126

Abstract (en)  
[origin: EP0844320A2] A melt-extruded monofilament comprises plastic material with poly-trimethylene terephthalate (PTMT) as the main component. Also claimed is a paper machine cover containing this melt-extruded monofilament. Preferably the material may also contain up to 45 wt.% polyurethane (PU) to increase its abrasion resistance, especially elastomeric PU, and up to 5 wt.% hydrolysis stabiliser. The monofilament has a cross-sectional area of 0.02-3.5 mm<sup>2</sup>, and may have a circular cross-section with a diameter of 0.08-1 mm or a square, rectangular, oval, clover-leaf or dog's bone cross-section.

IPC 1-7  
**D01F 6/62**; D01F 6/92; D01F 6/94; D01F 1/10; D01D 5/253; D21F 1/00

IPC 8 full level  
**D01D 5/253** (2006.01); **D01F 1/10** (2006.01); **D01F 6/62** (2006.01); **D01F 6/92** (2006.01); **D01F 6/94** (2006.01)

CPC (source: EP US)  
**D01D 5/253** (2013.01 - EP US); **D01F 1/10** (2013.01 - EP US); **D01F 6/62** (2013.01 - EP US); **D01F 6/92** (2013.01 - EP US); **D01F 6/94** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US); **Y10T 442/30** (2015.04 - EP US)

Citation (search report)  
• [X] EP 0520162 A1 19921230 - WANGNER SYSTEMS CORP [US]  
• [A] DATABASE WPI Section Ch Week 9629, Derwent World Patents Index; Class A23, AN 96-283978, XP002084633

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EP0965665A1; CN102877143A; US6319606B1; US6462145B1

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