

Title (en)
Strong discontinuous polyethylene fibres

Title (de)
Feste, unterbrochene Polyethylenfasern

Title (fr)
Fibres fortes discontinues de polyéthylène

Publication
EP 0598536 B1 19980624 (EN)

Application
EP 93308917 A 19931109

Priority
GB 9223562 A 19921110

Abstract (en)
[origin: EP0598536A2] Strong discontinuous fibres formed from polyethylene are disclosed. The fibres have a length of 1-25 mm, a fibre diameter of less than 30 microns and a handset zero span strength of greater than 3 kg/15 mm. The fibres may be in the form of a polyethylene pulp having a surface area of at least 4 m²/g, a Pulmac defect value of less than 3% and a handsheet zero span value of at least 3 kg/15 mm. Polyethylene sheet may be formed from the strong discontinuous fibres. The fibres and sheet may be used in blends with cellulose fibres, fillers, thixotropic agents and as synthetic paper.

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D01F 6/04; **D01F 6/30**

IPC 8 full level
D01D 5/11 (2006.01); **D01F 6/04** (2006.01); **D01F 6/30** (2006.01); **D21H 13/14** (2006.01)

CPC (source: EP)
D01D 5/11 (2013.01); **D01F 6/04** (2013.01); **D01F 6/30** (2013.01)

Cited by
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