

Title (en)

Fibers suitable for the production of nonwoven fabrics having improved strength and softness characteristics.

Title (de)

Fasern zur Vliesstoffherstellung mit verbesserter Festigkeit und Weichheit.

Title (fr)

Fibres pour la production d'étoffes non-tissées ayant douceur et résistance améliorées.

Publication

**EP 0632147 A3 19950712 (EN)**

Application

**EP 94109404 A 19940617**

Priority

IT MI931309 A 19930617

Abstract (en)

[origin: EP0632147A2] Disclosed is a fiber for nonwoven fabrics having thermowelding strength equal to or higher than 5 N and/or flexibility index greater than 800, comprising a polymer material additivated with organic phosphites and/or phosphonites, HALS, and optionally phenolic antioxidants, said polymer material being selected from: 1) isotactic propylene homopolymers having an isotactic index greater than 90; 2) random copolymers of propylene with ethylene and/or a C4-C8 alpha -olefin; and 3) blends of polymers (1) with copolymers (2) or blends of at least one of said homopolymers and copolymers with heterophasic propylene polymers; said fiber being obtained by a spinning process operating with a real or equivalent output hole diameter of less than 0.5 mm and with a hole flow-rate ranging from 0.1 to 0.6 g/minute, at a spinning temperature ranging from 230 DEG C to 320 DEG C, using polymers (1), or (2), or polymer blends (3), having MFR from 5 to 40 g/10 min, and in the absence of a drawing step.

IPC 1-7

**D01F 6/06**; **D01F 6/30**; **D01F 6/46**; **D04H 1/54**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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