Title (en)

NON-POSTDRAWN POLYOLEFIN FIBERS WITH HIGH TENACITY

Title (de)

NICHT NACHVERSTRECKTE POLYOLEFINFASERN HOHER FESTIGKEIT

Title (fr)

FIBRES DE POLYOLEFINES NON PRE-ETIREE A HAUTE TENACITE

Publication

EP 1356142 A1 20031029 (EN)

Application

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Priority

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- EP 0114155 W 20011204
- EP 00126834 A 20001207

Abstract (en)

[origin: EP1213375A1] The invention relates to non postdrawn fibers with high tenacity, consisting essentially of predominantly isotactic propylene polymers having a crystallisation temperature of > 116 DEG C (DSC) and 0,001 to 2% by weight, based on the propylene polymers used, of polymers different from isotactic propylene polymers and optionally 0,001 to 2% per weight of benzoic acid or C7-C13 benzoic acid derivatives and/or 0,001 to 2% by weight of dibenzylidene sorbitol, derivatives of sorbitol and/or diphenylglycine and/or 0,001 to 2% by weight of salts of C6-C18 aliphatic or C7-C13 aromatic carbonic acids, selected from sodium benzoate, tertiary-butylbenzoic acid aluminia salt and/or long chain C8-C18-carbonic acid salts; 0,001 to 2% by weight of phosphoric acid derivatives, selected from ammonium polyphosphate, cyclic calcium phosphate compounds, sodium-2,2'-methylenebis-(4,6-di-tert.-butylphenyl)phosphate and/or bis-(tertiary-butyl) phosphoric acid sodium salt; and/or 0,001 to 2% by weight of talc, the fibers having tenacity values of 2,0 to 5,0 cN/dtex, a process for producing them and their use.

IPC 1-7

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CPC (source: EP)

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Cited by

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