

Title (en)
Combinations of polyolefin filaments and yarns of low wetting and adhesive power and filaments and yarns of high wetting and adhesive power.

Title (de)
Kombination von Fäden und Garnen aus Polyolefin mit geringer Benetzbarkeit und Adhäsion und Fäden und Garne hoher Benetzbarkeit und Adhäsion.

Title (fr)
Combinaisons de filaments et de fils de polyoléfines à faible pouvoir hygroscopique et adhésif et de filaments et de fils à haut pouvoir hygroscopique et adhésif.

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Application
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Abstract (en)
The invention relates to combinations of polyolefin filaments and yarns having high tensile strengths and moduli and low wetting and adhesive power in particular in respect of customary matrix materials as used for producing composite articles, and filaments and yarns of good wetting and adhesive power. These combinations combine to good tensile strength and modulus values of polyolefin filaments and yarns with high wettability by and adhesion to customary polymer matrix materials, the wetting and adhesive power being obtainable in a more economical manner than with the previously disclosed coating with coatings which enhance the wetting and adhesive power or with a corona or plasma treatment or a mechanical and/or chemical roughening, which pretreatments also had the effect of impairing the tensile strengths.

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CPC (source: EP)
D02G 3/22 (2013.01); **D02G 3/447** (2013.01); **D10B 2321/02** (2013.01)

Citation (search report)
• [X] US 2475083 A 19490705 - DAVIS ARCHIBALD H
• [A] US 2448782 A 19480907 - DAVIS ARCHIBALD H

Cited by
US5749214A; US8303079B2; WO9114029A1; WO9400627A1; EP0996781B2

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