

Title (en)

ANTISTATIC POLYESTER FALSE TWIST YARN, PROCESS FOR PRODUCING THE SAME, AND ANTISTATIC SPECIAL COMPOSITE FALSE TWIST YARN INCLUDING THE ANTISTATIC POLYESTER FALSE TWIST YARN

Title (de)

ANTISTATISCH AUSGERÜSTETER POLYESTERFALSCHDRAHTZWIRN, HERSTELLUNGSVERFAHREN DAFÜR SOWIE IHN ENTHALTENDER ANTISTATISCHER SPEZIALVERBUNDFALSCHDRAHTZWIRN

Title (fr)

FIL DE FAUSSE TORSION POLYESTER ANTISTATIQUE, SON PROCÉDÉ DE PRODUCTION, ET FIL DE FAUSSE TORSION COMPOSITE SPÉCIAL ANTISTATIQUE COMPRENANT LE FIL DE FAUSSE TORSION POLYESTER ANTISTATIQUE

Publication

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Application

EP 07768434 A 20070711

Priority

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Abstract (en)

An unstretched filament composed of a PET-based aromatic polyester multifilament comprising a polyoxyalkylene-based polyether and an organic ionic compound is subjected to simultaneous stretching and false twisting under specified conditions to produce a polyester false twisted yarn, whereby rapid and stable false twisting can be accomplished without section deformation or fluff generation during false twisting, and the resulting yarn has a highly satisfactory hand quality and a fibrillation resistant fiber structure, while also exhibiting a highly durable antistatic property. Interlacing of the unstretched filament with an unstretched polyester filament comprising a polymethyl methacrylate-based polymer and/or polystyrene-based polymer and stretching/false twisting thereof under specified conditions allows rapid and stable production of conjugated false twisted yarn exhibiting highly satisfactory bulkiness and a spun feel with the absence of fluff, as well as a highly durable antistatic property. The finished yarn is particularly useful for purposes that require static electricity to be inhibited, such as student wear, uniforms, dustproof clothing and the like.

IPC 8 full level

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