

Title (en)

CRIMPED POLESTER-BASED FIBER, METHOD FOR PRODUCING SAME, PILE FABRIC INCLUDING SAME, AND METHOD FOR PRODUCING PILE FABRIC

Title (de)

GEKRÄUSELTE POLYESTERBASIERTE FASER, VERFAHREN ZUR HERSTELLUNG DAVON, POLGEWEBE DAMIT UND VERFAHREN ZUR HERSTELLUNG VON POLGEWEBE

Title (fr)

FIBRE FRISÉE À BASE DE POLYESTER, PROCÉDÉ DE FABRICATION DE CELLE-CI, ÉTOFFE À POILS COMPRENANT CELLE-CI ET PROCÉDÉ DE FABRICATION D'ÉTOFFE À POILS

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Application

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Abstract (en)

In one or more embodiments, the present invention relates to a polyester-based fiber having a crimp with a crimped shape to be changed by a dry heat treatment at 150°C for 10 minutes. It is preferable that the polyester-based fiber having a crimp according to one or more embodiments of the present invention has a crimp satisfying requirements described in (1) below before the dry heat treatment and has a crimp having a secondary crimp frequency satisfying 0.0 crimps/25 mm or more and 1.0 crimps/25 mm or less after the dry heat treatment:(1) a primary crimp frequency of 5.0 crimps/25 mm or more and 30 crimps/25 mm or less and a secondary crimp frequency of 1.0 crimps/25 mm or more and 4.0 crimps/25 mm or less.In one or more embodiments, the present invention provides a polyester-based fiber exhibiting good processability in a carding machine and being able to express a crimp similar to that of natural fur in a napped surface layer portion of a pile fabric through polishing at a relatively low temperature of 90°C or more and 160°C or less, a method for manufacturing the same, and a method for manufacturing a pile fabric using the same.

IPC 8 full level

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