Title (en)

PROCESS FOR PRODUCTION OF POLYESTER FIBER FOR AIR-LAID NONWOVEN FABRICS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYESTERFASERN FÜR TROCKENVLIESSTOFFE

Title (fr)

PROCÉDÉ DE PRODUCTION DE FIBRE POLYESTER DESTINÉE À DES NONTISSÉS AÉROLIQUES

Publication

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Application

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Abstract (en)

An object of the invention is to provide a polyester based fiber for airlaid nonwoven fabrics enabling one to manufacture an airlaid nonwoven fabric which is extremely excellent in airlaid web formability, especially in spinning properties from a screen, is satisfactory in texture and is bulky. This object can be achieved by a manufacturing method of a polyester fiber for airlaid nonwoven fabrics made of, as a fiber forming resin component, a polyester having a fineness of not more than 10.0 dtex or a fiber length of 8.0 mm or more, having a number of crimp of 8.5 peaks/25 mm or more, a percentage of crimp/number of crimp ratio of not more than 0.65 and a crimp modulus of elasticity of 70 % or more and containing 80 % by mole or more of an alkylene terephthalate repeating unit in the whole of repeating units, which includes drawing an undrawn yarn taken up at a spinning rate of not more than 1,500 m/min in a low draw ratio of from 0.60 to 1.20 times at a temperature of at least 10°C higher than a glass transition temperature of the polyester and simultaneously subjecting to a fixed-length heat treatment.

IPC 8 full level

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