

Title (en)

Method for making a hydroentangled nonwoven fabric and the fabric made thereby

Title (de)

Verfahren zum Herstellen eines hydrodynamisch verfestigten Vliesstoffes und nach diesem Verfahren hergestellter Vliesstoff

Title (fr)

Procédé de fabrication d' un non-tissé hydrolié et non-tissé ainsi fabriqué

Publication

EP 1382731 A1 20040121 (EN)

Application

EP 03250510 A 20030128

Priority

US 19617702 A 20020717

Abstract (en)

A process for making a single layer or multi-layer non-woven material having improved cross-directional strength and feel, and the non-woven material made thereby, is described. The process provides a non-woven material including at least one layer formed of polymeric continuous filaments. The layer(s) are formed in a continuous sequential manner, i.e. a subsequent layer being formed on top of a preceding layer or layers. Thereafter, in the absence of any pre-bonding, the layer(s) are subjected to hydroentanglement. The basis weight of the non-woven material is from about 17 to 150 gsm. The non-woven material has improved properties based on treating the layer(s) by hydroentanglement. Varying the number of water jets and the pressure of the water allows variance in the properties obtained in the final product. Other physical properties can also be imparted to or changed in the non-woven material by inclusion of an additive in a polymer melt during formation of the filaments, or by topical treatment following treatment of the layers of the non-woven material by hydroentanglement. <IMAGE>

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CPC (source: EP US)

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Citation (search report)

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