

Title (en)
Filament nonwoven fabrics and method of fabricating the same

Title (de)
Vliesstoffe von Filamentfaden und Verfahren zu seiner Herstellung

Title (fr)
Etoffes non-tissée de filaments et sa méthode de fabrication

Publication
EP 0765959 B1 20000119 (EN)

Application
EP 96114791 A 19960916

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• JP 25167995 A 19950929
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• JP 25608395 A 19951003

Abstract (en)
[origin: EP0765959A1] A filament nonwoven fabric and method of fabricating the same. The method comprises the steps of melting a polymer selected from the group consisting of poly(D-lactic acid), poly(L-lactic acid), copolymers of D-lactic acid and L-lactic acid, copolymers of D-lactic acid and hydroxy-carboxylic acid, and copolymers of L-lactic acid and hydroxy-carboxylic acid, said polymer having a melting point of 100 DEG C or more, or a blend of such polymers having a melting point of 100 DEG C or more, said polymer or polymer blend having a melt flow rate of from 10 to 100 g/10 minutes as measured at 190 DEG C. according to ASTM-D-1238 (E), in a temperature range of from (Tm + 20) DEG C to (Tm + 80) DEG C, where Tm DEG C is the melting point of the polymer or polymer blend; extruding the melt through a spinneret into filaments; drafting the extruded filaments by means of a suction device at a drafting speed of from 1,000 to 5,000 m/minute, thereby fining them down into finer filaments; depositing such filaments, as they are spread open each other, and are laid up on a travelling collector surface to form a web; and heat-treating the web thereby to obtain the nonwoven fabric.

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IPC 8 full level
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