

Title (en)

NON-WOVEN ARTICLES COMPRISED OF THERMOTROPIC LIQUID CRYSTAL POLYMER FIBERS AND METHOD OF PRODUCTION THEREOF

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0166830A1] Non-woven articles comprised of thermotropic liquid polymer fibres made of fibres of a polymer which is capable of forming an anisotropic melt phase, said fibres being bonded together either autogeneously or by means of an adhesive composition. The polymer is a wholly aromatic polymer, preferably a wholly aromatic polyester. A method for forming these non-woven articles comprises spray-spinning said polymer in the melt phase and collecting the multitude of discontinuous fibres in web form on a screen. Such non-woven articles exhibit good thermal stability and chemical and solvent resistance. A heat treatment in a non-oxidizing, moisture-free atmosphere can be effected to increase the melting temperature of the non-woven articles.

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