

Title (en)

A BICOMPONENT FIBER, THE PREPARATION PROCESS AND THE USE THEREOF, AND THE FABRICS COMPRISING THE SAME

Title (de)

ZWEIKOMPONENTENFASER, HERSTELLUNGSVERFAHREN UND VERWENDUNG DAVON UND GEWEBE DAMIT

Title (fr)

FIBRE À DEUX COMPOSANTS, SON PROCESSUS DE PRÉPARATION ET SON UTILISATION, ET TISSU COMPRENANT CETTE FIBRE

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Application

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Abstract (en)

[origin: WO2014075987A1] The present invention relates to a bicomponent fiber, comprising i) a first thermoplastic polyurethane component; and ii) a second thermoplastic polyurethane component, which may be the same as or different from component i), with at least one of components i) and ii) crosslinked by a crosslinker to form at least one polymer of polymer i) and polymer ii), of which polymer i) has a melting point of at least 10°C higher than that of polymer ii), and the fiber size being between 8 denier and 300 denier, more preferably between 10 denier and 100 denier. The bicomponent fibers of the present invention are superior in heat-bonding behavior and recovery, and may be dyeability and chemical-resistance.

IPC 8 full level

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