

ABSTRACT

SPANDEX FIBER HAVING IMPROVED ADHESIVE CHARACTERISTICS WITH HOT MELT ADHESIVE AND METHOD FOR MANUFACTURING THE SAME

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The present invention relates to a spandex fiber and a method for manufacturing the same that is capable of providing excellent adhesive characteristics, by means of a hot melt adhesive, between the spandex fiber and a polypropylene nonwoven fabric or a polyethylene film, during a diaper-manufacturing process. The method for manufacturing a spandex fiber comprises the steps of: preparing a polyurethane urea solution as a spinning solution; and dry-spinning the spinning solution to obtain the spandex fiber, 10 where the polyurethane urea solution contains, with respect to the weight of the solid content, about 0.1 to 30 wt.% of an ethylene vinyl acetate monomer or polymer, or a derivative thereof, a C9 hydrocarbon-based resin monomer or polymer, or a derivative thereof, a C5 hydrocarbon-based resin monomer or polymer, or a derivative thereof, or a C5/C9 hydrocarbon-based resin monomer or copolymer, or a derivative thereof. 15 20