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(54) Title: MELT-SPUN THERMOPLASTIC POLYURETHANE FIBER AND FABRIC MADE THEREFROM

(57) Abstract: The invention relates to a melt-spun thermoplastic polyurethane fiber made from a thermoplastic polyurethane comprising the reaction product of at least 77.5 wt% poly(butanediol) succinate and up to 22.5 wt% of a hard segment component, wherein the hard segment component comprises a diisocyanate and a chain extender diol, wherein the molar ratio of isocyanate groups from the diisocyanate to hydroxyl groups from the poly(butanediol) succinate and chain extender diol is 09:1 to 1:1. The invention also provides a fabric made from the disclosed fiber.

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