

Title (en)
POLYAMIDE-46 MULTIFILAMENT AND SEWING THREAD FOR AIRBAG

Title (de)
POLYAMID-46-MULTIFILAMENT UND NÄHGARN FÜR AIRBAG

Title (fr)
MULTIFILAMENT DE POLYAMIDE 46 ET FIL DE COUTURE POUR COUSSIN DE SÉCURITÉ GONFLABLE

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Abstract (en)
A purpose of the present invention is to provide a polyamide-46 multifilament that has high strength, high-temperature dimensional stability, and excellent stretchability, which have not been attained with any conventional technique, and that is hence suitable for use as a sewing thread for airbags having mechanical properties which can inhibit the sewed portions from suffering an air leakage of a high-temperature high-power gas. The polyamide-46 multifilament has the following physical properties (1) to (3). (1) A strength of 6.0-9.0 cN/dtex and an elongation of 15-30%. (2) A degree of elongation E10(100°C), as measured after stretching 10 times in a 100°C environment, of less than 1.0%. (3) A difference between the elongation under a load of 2.0 cN/dtex at ordinary temperature and the elongation under a load of 2.0 cN/dtex in a 100°C environment of less than 0.5%.

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