Product data sheet

OUTDOORPRO AMANN



Polyester continuous filament, bonded

- whether awnings, boat covers, outdoor furniture or shoes - Outdoor-Pro is the ideal sewing thread for outdoor products
- equipped with our PFC-free water-repellent finish as standard
- brilliant colours & textile look
- specially suited for multidirectional sewing
- excellent UV resistance due to special dyestuffs
- weathering test according to ISO 4892-1 and ISO 4892-2 (DIN EN ISO 12402-7) and cold storage at -30°C

Technical data:

Ticket no.	Tex no.	Linear density (dtex) (DIN EN ISO 2060)	Linear density (Nm) (DIN EN ISO 2060)	Breaking force (cN) (DIN EN ISO 2062)	Elongation at break (%) (DIN EN ISO 2062)	Needle size Nm	Needle size No.
10	270	1169 * 3	9 / 3	18500	27	200-220	25-26
15	210	811 * 3	12 / 3	12500	22	180-200	24-25
20	135	572 * 3	17 / 3	9150	21	130-160	21-23
30	90	350 * 3	29 / 3	5350	22	110-130	18-21
40	70	285 * 3	35 / 3	4500	23	100-120	16-19

Fastness properties:

Colour fastness to artificial light (ISO 105 B06)	≥ 4
Colour fastness to rubbing 1) dry (ISO 105 X 12)	≥ 4
Colour fastness to rubbing 2) wet (ISO 105 X 12)	≥ 4
Colour fastness to washing 60°C (ISO 105-C06 C2S)	≥ 4
Colour fastness to water (ISO 105 E 01)	≥ 5
Colour fastness to sea water (ISO 105-E02)	≥ 4-5

Thermal properties:

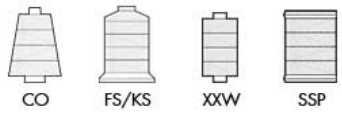
- Melting point : ~ 250-260 °C

These details and data are provided purely for informational purposes. The mentioned applications are given as examples only. Individual tests are important to ensure that required technical specifications are fulfilled.

Article assortment:

Ticket no.	Tex no.	Finish	Article no.	Make-up	Spool type	No. of colours
10	270	WRe	2161001	1.400 m	FS	34
15	210	WRe	2161502	1.900 m	FS	34
20	135	WRe	2162003	3.000 m	FS	34
20	135	WRe	2162002	1.500 m	FS	34
30	90	WRe	2163003	2.300 m	FS	34
40	70	WRe	2164001	5.500 m	FS	34

Legend:



Main application:

- Awnings
- Outdoor furniture
- Tents
- Boat covers and sails

TECHTEX

Further application:

- Shoes & Accessories

Certifications and special testings:

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
96.0.8810 HOHENSTEIN HTTI
Tested for harmful substances.
www.oeko-tex.com/standard100

- Examination according to DIN EN ISO 12402-7 - Successful weathering tests according to ISO 4892-1 and 4892-2 and cold storage at -30°C

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