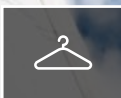


AMANN

GROUP

Intelligent threads

OUTDOOR
APPLICATIONS



Sun, wind and rain put outdoor textiles under a lot of environmental stress, which is often underestimated. The different climatic influences show that there is a need for products with technical characteristics that remain unchanged after many years of exposure. Outdoor-Pro, Serabond and Gore® Tenara® offer excellent UV light and weather-proof characteristics as well as a high-tech performance profile against abrasion and tensile stress.

WEATHERING TEST ACCORDING TO ISO 4892-1 AND 4892-2

The results by Hohenstein Laboratories confirm: **Outdoor-Pro** and **Serabond** perform excellently in the weathering test.

- Examination according to DIN EN ISO 12402-7 contains artificial weathering according to ISO 4892-1 and ISO 4892-2
- Simulation of the influences of various weather conditions (insolation, rain, fog), as well as simulation of daytime and nighttime
- Test duration: approx. 300 h, test objects: all relevant sizes
- Test criteria: maximum tensile force, loop strength, colour fastness
- Furthermore, Outdoor-Pro has succeeded in cold storage at -22°F

GENERAL APPLICATION FIELDS:


- outdoor furniture
- outdoor shading systems
- outdoor protective equipment
- outdoor clothing and accessories



POLYESTER CONTINUOUS FILAMENT, BONDED

- whether awnings, tarpaulins or lounge furniture – Outdoor-Pro is the professional sewing thread for outdoor products
- equipped with our PFC-free water-repellent finish as standard
- brilliant colours, textile look and feel
- 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 -22°F
- Main application: awnings, boat covers and sails, outdoor furniture, tents

Ticket no.	Tex no.	Needle size min. Nm	No.	Make-up	No. of colours
10	270	200	25	3100 yd FS	34
15	210	180	24	2000 yd FS 4150 yd FS	34 34
20	135	130	21	3000 yd FS 6800 yd FS	34 34
30	90	110	18	2500 yd FS 5000 yd FS	34 34
40	70	100	16	6000 yd FS 12000 yd FS	34 34
60	35	90	14	8800 yd FS	34


FS/KS = 



POLYESTER CONTINUOUS FILAMENT, BONDED

- high-performance bonded special sewing thread for outdoor applications
- extremely durable
- resistant to untwisting and therefore suited for multidirectional sewing
- outstanding UV resistance due to special dyestuffs
- weathering test according to ISO 4892-1 and ISO 4892-2
- Main application: sails, tents, awnings, boat covers, tarpaulins

Ticket no.	Tex no.	V-no.	Needle size Nm	Needle size No.	Make-up	Weight	No. of colors
10	270	V277	190	25	3,100 yd FS	37 oz	2
15	210	V207	170	24	2,000 yd FS	16 oz	14
20	135	V138	130	21	3,000 yd FS 6,800 yd FS	16 oz 37 oz	34 on request
30	90	V92	110	18	2,500 yd FS 5,000 yd FS 10,200 yd FS	8 oz 16 oz 32 oz	34 34 on request
40	70	V69	90	14	6,000 m FS	16 oz	3

FS/KS = 




GORE®
TENARA®

ePTFE (EXPANDED POLYTETRAFLUORETHYLENE) TAPE

- special sewing thread with excellent UV and weather protection with 15 years warranty
- designed for high speed sewing
- also available in transparent colour
- will not fade, stain or discolour
- resistant to UV radiation in sunlight, mould, mildew, acid rain, cleaning solutions, salt water and industrial pollutants
- Main application: sails, tents, awnings, boat covers, tarpaulins, artificial turf, bouncy castles

Ticket no.	Tex no.	Needle size min. Nm	No.	Make-up	No. of colours
HTR	270	110	18	1.050 m FS	11
TR	150	100	16	1.750 m FS	11
LTR	110	90	14	2.100 m FS	1

FS/KS = 



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