

AMANN

GROUP

Intelligent threads

OUTDOOR
APPLICATIONS



SPECIAL SEWING THREADS FOR OUTDOOR APPLICATIONS

Sun, wind and rain stress outdoor textiles extremely, which is often underestimated. The different climatic influences – such as UV rays, moisture, acid rain as well as ozone, nitrogen oxide or dirt – show that there is a need for products with technical characteristics that remain unchanged after many years of being exposed to these factors.

Gore® Tenara® and Serabond have an excellent resistance to UV light and weathering and are also high-performing in terms of tensile strength and abrasion resistance. Even long exposure to sunlight and frequent mechanical stress do not reduce seam quality. The breaking strength as well as appearance and color of the seam remain unchanged even under the hardest weathering effects.

Conventional sewing threads can only partly fulfil these requirements. If the outdoor textiles are only exposed to minor and temporary stress, conventional sewing threads, especially with a water-repellent finish, can be used.



15 YEARS WARRANTY

Gore® Tenara® sewing threads will be delivered free from defects in material and workmanship and will not be damaged by exposure to sunlight, weather or water. W. L. Gore & Associates GmbH makes this warranty for a period of 15 years to all products that are stitched with Gore® Tenara® sewing threads.

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

The results by Hohenstein Laboratories confirm: **Serabond** performs 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 (10-40)
- Test criteria: maximum tensile force, loop strength, color fastness

APPLICATION FIELDS:

- Sails
- Tents
- Awnings
- Boat covers
- Tarpaulins
- and many more




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 color
- will not fade, stain or discolor
- resistant to UV radiation in sunlight, mould, mildew, acid rain, cleaning solutions, salt water and industrial pollutants

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colors
HTR	270	110-140	18-22	1.050 m FS	11
TR	150	100-120	16-19	1.750 m FS	12
LTR	110	90-110	14-18	2.100 m FS	1

FS/KS = 

Main application:

- Outdoor textiles: sails, tents, awnings, boat covers, tarpaulins
- Other: artificial turf, bouncy castles


Further applications:



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

Ticket no.	Tex no.	V-no.	Needle size		Make-up	Weight	No. of colors
			Nm	No.			
10	270	V277	190-220	25-26	3,100 yd FS	37 oz	2
15	210	V207	170-190	24-25	2,000 yd FS	16 oz	14
20	135	V138	130-150	21-23	3,000 yd FS	16 oz	34
					6,800 yd FS	37 oz	on request
30	90	V92	110-130	18-21	2,500 yd FS	8 oz	34
					5,000 yd FS	16 oz	34
					10,200 yd FS	32 oz	on request
40	70	V69	90-120	14-19	6,000 m FS	16 oz	3

FS/KS = 

Main application:

- Outdoor textiles: sails, tents, awnings, boat covers, tarpaulins

Further applications:



AMANN USA
452 Burbank St. | Broomfield | CO 80020
Phone: +1 303 453 0771 | Fax: +1 303 453 0155
E-Mail: sales.amannusa@amann.com
www.amannusa.com

Our management systems are certified according to:

