



100% CONTINUOUS FILAMENT UV-RESISTANT POLYESTER SEWING THREAD

Durafix UV[®]

DURAK Durafix UV[®] is a 100% high-tenacity continuous filament polyester sewing thread with UV resistance. This feature protects the thread against the negative effects of UV exposure, such as discoloration, reduced abrasion resistance, and loss of strength—commonly referred to as UV degradation. Durafix UV[®] minimizes UV degradation and delivers excellent abrasion resistance, even in high-speed sewing applications.



Product Properties

- Minimizes UV degradation
- Continuous filament tenacity
- Color fading resistance
- Provides smooth and consistent sewing performance.

Durafix UV®

Areas of Use

- Outdoor Textiles
- Furniture
- Automotive
- Tent / Tarpaulin

Physical Properties

Melts at 260°C and softens at 220 - 240°C.
Shrinkage is less than 1% at 150°C.

Chemical Properties

Mineral Acids: Resistant to most mineral acids.

Alkalis: Unaffected by weak alkalis, moderately resistant to strong alkalis.

Organic Solutions: Unaffected by common solvents, soluble in some phenolic compounds.

Bleaching: Unaffected.

Micro Organisms / (Fungus, mold): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture Regain: 0.4%

Product Options

DURAK Durafix UV® offers a wide range of colors in a variety of meter sizes and thicknesses.

Storage Conditions

Must be stored away from heat, humidity and direct sunlight.



Color Fastness

Washing Fastness (60°C)	ISO 105 C06	Min. 4
Water Fastness	ISO 105 E01	Min. 4
Rubbing Fastness	ISO 105 X12	Min. 4
Hypochlorite Fastness	ISO 105 N01	Min. 4
Dry Cleaning Fastness	ISO 105 D01	Min. 4
Perspiration Fastness	ISO 105 E04	Min. 4
Light Fastness	ISO 105 B02	Min. 5





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Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
6	500	31.000	25 - 35	160-280
8	330	22.000	25 - 35	160-280
10	280	18.000	25 - 35	160-280
11	270	15.000	25 - 35	160-280
15	175	11.000	25 - 35	140-160
20	135	9.200	25 - 35	140-160
30	80	5.500	14-26	130-140
40	60	4.700	15-23	100-110
50	55	3.500	14-24	100-110
60	45	2.950	14-24	90-100
70	40	2.650	14-20	90-100
80	35	2.280	14-20	75-90
100	27	1.800	14-20	70-90
120	24	1.600	14-20	70-90
150	20	1.200	14-20	70-90
180	16	950	14-20	65-75
200	12	760	14-20	65-75
300	10	650	14-20	55-60
400	6	450	14-20	55-60

Other Durafix Sub-Brands

- Durafix WR[®]** 100% high tenacity continuous filament polyester sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.
- Durafix AS[®]** Anti-static sewing thread made of 100% high tenacity continuous filament polyester, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a concern.
- Durafix OS[®]** 100% high-tenacity continuous filament polyester sewing thread with special finishing processes in order to provide high sewing performance in the most challenging conditions. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process.
- Durafix CFR[®]** 100% high tenacity continuous filament polyester sewing thread produced by adding flame-retardant characteristics. The thread surface is coated with flame retardant chemical in accordance with the standards of chemical coating method.
- Durafix Multicolor[®]** Multicolor sewing thread made of 100% high-tenacity continuous filament polyester. It is injection-dyed in up to four different colors to create a multi-colored effect on the thread.
- Durafix Eco[®]** High-tenacity polyester sewing thread, produced from 100% recycled polyester. It offers all the advantages of a sustainable thread without compromising sewing performance.