



100% HIGH-TENACITY CONTINUOUS FILAMENT POLYESTER SEWING & EMBROIDERY THREADS

Durafix®

Durak Durafix® is a sewing thread made of 100% high-tenacity continuous filament polyester. It delivers excellent performance by offering superior resistance to abrasion and chemical effects, even in high-speed sewing applications. With its bright colors, various thickness options, and high tenacity, it is suitable for a wide range of applications. Thanks to its distinctive finishing processes, it ensures outstanding performance even in sewing machines operating at the highest speeds.



Product Properties

- Its continuous filament structure makes it a highly durable sewing thread. Thanks to special finishing processes, it offers higher tenacity than many similar alternatives.
- It performs reliably under the most demanding production conditions and enhances stitch quality on the finished product.
- With excellent resistance to washing and chemical agents, it is the ideal sewing thread for denim applications.
- This versatile thread is suitable for a wide range of fabrics — from very fine textiles to heavy-duty workwear.

Durafix®

Areas of Use

- ✦ Furniture
- ✦ Leather Products
- ✦ Denim
- ✦ Trousers / Skirts
- ✦ Workwear
- ✦ Sportswear
- ✦ Shoes & Bags
- ✦ Home Textile
- ✦ Suits
- ✦ Mattress

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

Color Fastness

Washing fastness at 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
Artificial light fastness	ISO 105 B02	Min. 5

Storage Conditions

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





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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 problem.

Durafix UV®

100% high tenacity continuous filament polyester sewing thread with UV resistance. Durafix UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.

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.