

DURAK

100% CONTINUOUS FILAMENT RECYCLED POLYESTER SEWING & EMBROIDERY THREAD

Durafix Eco®

Durak Durafix Eco® is a high-tenacity continuous filament polyester sewing thread produced using 100% recycled raw materials.It offers all the outstanding properties of a sustainable sewing thread without compromising sewing performance.In addition to its eco-friendly profile, it is highly impressive with its special finishing processes that enhance sewing performance, consistent structure, high tenacity, bright colors, and ideal abrasion resistance.
It ensures excellent seam formation even under the most demanding production conditions.As a reflection of our commitment to sustainability, Durafix Eco® is produced from 100% recycled raw materials and is certified under the Global Recycled Standard (GRS).

Product Properties

Global Recycled Standard

- Its continuous filament structure makes it a symbol of durability. Thanks to its structure and the processes applied during finishing, it offers higher tenacity compared to similar sewing threads.
- Combines all benefits of a sustainable sewing thread without compromising performance. Special lubricants and finishing treatments improve stitch quality under demanding conditions.
- Heat-setting process minimizes shrinkage from washing or ironing.
  Extends sewing machine life and reduces needle heat by approximately 20% compared to standard threads.
- Vicone spools ensure smooth thread unwinding and prevent tangling during use..



Durafix Eco®

Areas of Use

- Furniture
- Leather Products
- Denim
- Trousers / Skirts
- Suits
- Mattress
- Workwear
- Sportswear
- Spangle Thread
- Shoes & Bags
- Home Textiles



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

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
Hypoclorite 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

Storage Conditions

Must be stored away from high heat, direct sun light and humidity.





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Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
8	330	18.000	20 - 30	160 - 280
15	175	9.200	20 - 30	140 - 160
20	140	9.000	20 - 30	140 - 160
30	80	4.800	15 - 25	130 - 140
40	60	4.000	14 - 24	100 - 110
60	50	2.900	15 - 25	90 - 100
120	24	1.350	15 - 25	70 - 90
180	16	950	15 - 25	65 - 70



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 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.