

A photograph of a grey, patterned armchair with dark wooden legs, sitting on a green lawn with trees in the background.

100% CONTINUOUS FILAMENT RECYCLED POLYESTER SEWING & EMBROIDERY THREAD

Durafix Eco®

Durak Durafix Eco® is a high-tenacity polyester sewing thread, produced from 100% recycled polyester. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance. In addition to being environmentally friendly, Durafix Eco® is an impressive sewing thread with its flawless and smooth surface, extra strength, bright & shiny colors, even

structure and high resistance against abrasion. From the raw material to the lubricants applied, Durafix Eco® is specially developed to perform under the most challenging production conditions. Sustainability has always been our priority. That's why we cooperate with Repreve® brand in order to supply our demand for 100% recycled polyester.

Product Properties



- Durafix® continuous filament structure makes it a durable sewing thread. It has higher tenacity than most of its similar competitors due to the special finishing processes.
- It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance. With the special lubricants applied and finishing processes, Durafix Recycled® performs perfectly under the most challenging production conditions and improves the stitch quality on the finished product.
- Durafix Eco® improves life time of the machines it is used on and causes the needle to heat approximately %20 less than a regular sewing thread. Durafix Eco® is finished with a heat fix process which reduces the shrinkage caused by washing or ironing.
- The vicone spools facilitates thread unwinding while it prevents the thread from tangling.

Durafix Eco®

Areas of Use

- ↻ Furniture
- ↻ Leather Products
- ↻ Denim
- ↻ Trousers / Skirts
- ↻ Suits
- ↻ Mattress
- ↻ Work wear
- ↻ Sports wear
- ↻ 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 against most mineral acids.

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

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

Bleaching: Unaffected.

Micro Organisms / (Fungus, mold): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture Regain: %0.4



Presentation

Durak Durafix Eco® offers a wide range of colors in a variety of meters size and thicknesses.

Color Fastness

Washing fastness at 60°C	ISO 105 C06	Min. 4
Water fastness	ISO 105 E01	Min. 4
Friction 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. 4

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. It has a PCF-free water repellent surface coating.

Durafix AS®

Antistatic 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 destructions 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 CRF®

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 up to four different colors to give a multi-colored effect on the thread.