



100% RECYCLED TEXTURIZED POLYESTER SEWING THREAD

Duratex Eco®



Durak Duratex Eco® is a high-tenacity texturized polyester sewing thread produced from 100% recycled polyester. It provides all the benefits of a sustainable sewing thread without compromising its sewing performance. In addition to being environmentally friendly, Duratex Eco® is an impressive sewing thread with a flawless and smooth surface, extra strength, bright and shiny colors, even structure, and high resistance to abrasion. From the raw materials to the lubricants applied, Duratex Eco® is specially developed to perform under the most challenging production conditions. Sustainability has always been our priority. Reflecting our commitment to sustainability, Duratex Eco® is fully certified under the Global Recycled Standard (GRS).

Product Properties

- Durak Duratex Eco® is a highly elastic and voluminous sewing thread.
- Suitable for products that require elasticity; covers stitches perfectly due to its voluminous structure.
- Prevents shrinkage after washing with its low shrinkage values.
- Color fastness that withstands even the most challenging washing conditions.
- Improves stitch quality thanks to its flawless surface and special finishing processes.
- Ideal sewing thread for denim production.
- Provides a voluminous look on overlock seams.

Duratex Eco®

Areas of Use

- ✦ Swimwear
- ✦ Home Textiles
- ✦ Sportswear
- ✦ T-Shirts
- ✦ Mattresses
- ✦ Shirts
- ✦ Babywear
- ✦ Embroidery
- ✦ Knitted Garments

Physical Properties

Melts at 260°C, softens at 220 - 240°C.

Shrinkage is lower than 1% at 150°C.

Chemical Properties

Mineral Acids: Resistant to most mineral acids.

Alkalis: Not affected by weak alkalis. However not very resistant to strong alkalis especially in high heat.

Organic Solutions: Mostly not affected but may dissolve in some phenolic solutions.

Bleaching: Not affected.

Micro Organisms / (Fungus, mold): Not affected.

Washing/Dry Cleaning: Not affected.

Humidity Regain: 0.4%



Product Options

DURAK Duratex Eco® 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 high heat, direct sun light and humidity.





Duratex Eco®

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
40	60	2.200	20 - 30	100 - 125
90	33	1.100	25 - 30	80 - 100
180	17	600	20 - 30	70 - 90



Other Duratex Sub-Brands

Duratex UV®

100% texturized polyester sewing thread with UV resistance. Duratex UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.

Duratex OS®

100% texturized 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.

Duratex CFR®

100% texturized 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.

Duratex Multicolor®

Multicolor sewing thread made of 100% texturized polyester filament. It is injection-dyed in up to four different colors to give a multi-colored effect on the thread.