



## 100% RECYCLED TEXTURIZED POLYESTER SEWING THREAD

### Duratex Recycled®



Durak Duratex Recycled® is a high-tenacity texturized 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, Duratex Recycled® 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, Duratex Recycled® 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

- Durak Duratex Recycled® is a highly elastic and voluminous sewing thread.
- It is used on products that require elasticity and it covers the stitches perfectly due to its voluminous structure.
- Prevents shrinkage after washing with its low shrinkage values.
- Color fastness that can withstand the most challenging washing conditions.
- Improves stitch quality due to its flawless surface and special finishing processes.
- Ideal sewing thread for denim production.
- Provides a voluminous look on overlock sews.

# Duratex Recycled®

## Areas of Use

- Swim Suits
- Home Textiles
- Sports Wear
- T-Shirts
- Mattress
- Shirts
- Baby wear
- Embroidery
- Knitted Wear

## Physical Properties

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

Shrinkage is lower than 1% at 150°C.

## Chemical Properties

**Mineral Acids:** Resistant against most mineral acids.

**Alkalis:** Not affected by weak alkalis. However not very resistant against 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



## Presentation

DURAK Duratex Recycled® 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)
90	33	1.250	23	80 - 100
180	17	680	24 - 28	70 - 90



## Other Duratex Sub-Brands

### Duratex UV®

100% texturized polyester sewing thread with UV resistance. Duratex UV® minimizes UV destructions 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 up to four different colors to give a multi-colored effect on the thread.