



**100% CONTINUOUS FILAMENT  
RECYCLED POLYESTER  
EMBROIDERY THREAD**

## **Polysoft Eco®**

DURAK Polysoft Eco® is a trilobal cut continuous filament polyester embroidery thread manufactured from 100% recycled raw material under environmentally friendly conditions. Apart from its environment friendly structure, its high resistance against abrasion, brilliant colors and high color fastness makes it an ideal embroidery thread. Polysoft Eco® is made to perform under the fastest production conditions. Its trilobal cut structure assures high light reflection which makes Polysoft Eco® look shinier than similar products. Our agreement with REP REVE® for recycled raw material honors our commitment to sustainability.



### **Product Properties**

- Top performance on high-speed machinery
- Provides detailed embroideries due to its wide range of bright colors
- Environmentally friendly product manufactured under Oeko-Tex Standard-100, Class 1
- High resistance against abrasion and chemical applications.
- Top performance and ideal embroidery looks due to its tenacity and elasticity values
- Provides all the properties of a top quality embroidery thread without compromising from sustainability

# Polysoft Eco®

## Areas of Use

- Leather products
- Men's/Women's Apparel
- Sports wear
- Children's wear
- Work wear
- Underwear

## Physical Properties

Dissolves at 260°C, softens at 220 - 240°C

Less than 1% shrinkage at 150°C

## Chemical Properties

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

**Alkalis:** Is not affected by weak alkalis but not durable against strong alkalis especially in high heat.

**Organic Dissolvents:** Mostly not affected by organic dissolvents but may dissolve in phenolic solutions.

**Bleaching:** Not affected.

**Microorganisms (Mold/Fungus):** Not affected.

**Washing/Dry Cleaning:** Not affected.

**Moisture regain:** 0,4%



## Presentation

Durak Polysoft Eco®

Presented in ticket 30 and 40 in a wide variety of color shade.

## 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



20 grit  
max. 30°C  
max. 30 min



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## Storage Conditions

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

### Points to consider

Embroidered products are washable, foldable and they are resistant against sun light and chlorine. Use the washing and storing instructions below to achieve the best results;

- 1) Do not stack or fold products when they are humid.
- 2) Embroidered products should not be dried before being properly rinsed.
- 3) In steam washers, the products should be hung on hangers and should not be in contact.

It is important that the heat level should not exceed 150°C.

- 4) The products are dyed under the industrial color tolerances.

## Thickness and Strength Chart

Tkt No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
30	33	1.200	20 - 35	75 - 90
40	27	1.200	16 - 30	75 - 90

## Other Polysoft Sub-Brands

### Polysoft®

100% high tenacity continuous filament trilobal polyester embroidery thread. It offers a vivid and brilliant appearance.

### Polysoft AS®

Antistatic embroidery thread made of 100% high tenacity continuous filament trilobal polyester, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a problem.

### Polysoft CFR®

100% high tenacity continuous filament trilobal polyester embroidery 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.

### Polysoft Multicolor®

Multicolor embroidery thread made of 100% high-tenacity continuous filament trilobal polyester. It is injection dyed up to four different colors to give a multi-colored effect on the thread.