



100% CONTINUOUS FILAMENT RECYCLED POLYESTER EMBROIDERY THREAD

Polysoft Eco®

DURAK Polysoft Eco® is a twisted, high-tenacity trilobal continuous filament polyester embroidery thread manufactured from 100% recycled raw materials under environmentally friendly conditions. In addition to its environmentally friendly structure, it offers excellent abrasion resistance and high tenacity, making it an impressive embroidery thread. It provides excellent sewing formation even under the most demanding production conditions. Thanks to its trilobal structure, it has high light reflection and appears brighter than similar threads. As a reflection of our commitment to sustainability, Durak Polysoft Eco® is produced from 100% recycled raw materials and is certified under the Global Recycled Standard (GRS).



Product Properties

- Excellent performance on high-speed machinery
- Provides detailed embroidery with its wide range of bright colors
- Environmentally friendly product manufactured under in accordance with OEKO-TEX® Standard 100, Class 1
- High resistance against abrasion and chemical applications
- Excellent embroidery performance thanks to its high tenacity and elasticity
- Offers all the properties of a premium embroidery thread without compromising sustainability

Polysoft Eco®

Areas of Use

- Leather products
- Men's/Women's Apparel
- Sportswear
- Children's wear
- Workwear
- Underwear

Physical Properties

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

Less than 1% shrinkage at 150°C

Chemical Properties

Mineral Acids: Resistant to most mineral acids.

Alkalies: 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%



Product Options

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
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





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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 resistant to sunlight 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 put in the dryer without rinsing thoroughly.
- 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) Colors are manufactured according to industrial color tolerance.

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