



100% CONTINUOUS FILAMENT POLYESTER EMBROIDERY THREAD

Polysoft®

Durak Polysoft® is a 100% high-tenacity continuous filament trilobal polyester embroidery thread with a bright appearance. It offers high resistance to abrasion, chemical effects and outdoor weather conditions in high-speed embroidery applications. With its bright colors, wide color range, thickness options and excellent embroidery performance, it is suitable for a wide variety of applications.



Product Properties

- Durable embroidery thread thanks to its continuous filament structure. Higher tenacity than most competing threads due to the special finishing processes.
- Excellent performance under the most challenging production conditions.
- Resistance to chlorine bleach.
- High resistance to abrasion, chemical effects.
- Vivid and brilliant appearance thanks to its trilobal structure.

Polysoft®

Areas of Use

- Leather Goods
- Men/Women's Apparel
- Sportswear
- Underwear
- Denim
- Children's Wear
- Workwear

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 to most mineral acids.

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

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

Bleaching: Unaffected.

Microorganisms (Mildew/Rot): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture regain: 0.4%



Product Options

Durak Polysoft® offers 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





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Storage Conditions

Must be stored away from heat, humidity and direct sunlight.

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) Products should not be stacked and folded when 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

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
15	65	2.400	20 - 35	90 - 100
20	50	1.750	20 - 35	90 - 100
30	33	1.500	20 - 35	75 - 90
40	27	1.250	18 - 28	75 - 90
60	17	630	20 - 30	65 - 75

Other Polysoft Sub-Brands

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.

Polysoft Eco®

High-tenacity trilobal polyester embroidery thread, produced by 100% recycled polyester. It offers all the advantages of a sustainable thread without compromising sewing performance.