



ANTI-STATIC
100% CONTINUOUS FILAMENT POLYESTER
EMBROIDERY THREAD

Poly-Soft AS®

Durak Polysoft AS® is an anti-static embroidery thread made of 100% high-tenacity continuous filament trilobal polyester. It is designed for use in applications where electrostatic charge is a problem. Thanks to its anti-static properties, it prevents the passage of electrostatic charge and helps avoid damage to electronic components in contact, degradation of electrical signals, and injuries caused by such issues. 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 very wide range of applications.



Product Properties

- Specially designed to prevent the formation of static electricity.
- Flawless and smooth embroidery thanks to special finishing processes.
- Durable embroidery thread with a continuous filament structure
Higher tenacity compared to most similar products, due to special finishing processes.
- Excellent performance under the most demanding production conditions.
- High resistance to abrasion and chemical effects.
- Vivid and brilliant appearance thanks to its trilobal structure.

Poly-Soft AS®

Areas of Use

- ✦ Leather Sector
- ✦ Sportswear
- ✦ Work Clothes
- ✦ Denim Sector
- ✦ Men/Women's Apparel

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 AS® 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





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Storage Conditions

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

Points to consider

Embroidered products are washable and foldable, and are resistant to sunlight and chlorine. Follow the washing and storing instructions below to achieve the best results;

- 1) Products should not be stacked and folded while humid.
- 2) Embroidered products should not be placed in the dryer without thorough rinsing.
- 3) In steam washers, the products should be hung on hangers and must not be in contact with each other.
The temperature must not exceed 150°C.
- 4) Colors are manufactured according to industrial color tolerance standards.

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®

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

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.