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, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a problem. Thanks to its anti static feature, which prevents the passage of electrostatic charge, it avoids damage to electronic parts, degradation in electric signals and injuries caused by such problems. It provides high resistance against abrasion, chemical effects and outdoor weather conditions in high speed embroidery. Durak Polysoft AS® appeals to a wide range of applications in conjunction with its bright and ample colors, thickness options and excellent embroidery performance.

Product Properties

- ➲ Specially designed to prevent static electricity formation of products.

- ➲ Flawless and smooth embroidery is achieved due to the special finishing processes.

- ➲ Continuous filament structure makes it a durable embroidery thread.
  It has higher tenacity than most of its similar competitors due to the special finishing processes.

- ➲ Performs perfectly under the most challenging production conditions.

- ➲ High resistance against abrasion, 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 260ºC and softens at 220 - 240ºC.
Shrinkage is less than 1% at 150ºC.

Chemical Properties

Mineral acids: Resistant against most mineral acids.

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

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

Bleaching: Unaffected.

Microorganisms (Mildew/Rot): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture regain: %0.4

Presentation

Durak Polysoft AS® 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

60°C   Cl   20 gr/lt max.30°C max. 30 min   P

Poly-Soft AS®

Storage Conditions

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

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) 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 150ºC.

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

Polysoft CFR® 100% high tena city 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.

Polysoft Recycled® High-tenacity trilobal polyester embroidery thread, produced by 100% recycled polyester. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance.

DURAK