



100% RECYCLED SPUN POLYESTER SEWING THREAD

Poly-Jet Eco®

DURAK Poly-Jet Eco® is a high-tenacity staple spun polyester (SSP) sewing thread produced from 100% recycled raw materials. It offers all the outstanding properties of a sustainable sewing thread without compromising sewing performance. In addition to its environmentally responsible characteristics, Poly-Jet Eco® is highly impressive with its performance-enhancing special finishing process, uniform structure, and high strength. It ensures excellent seam formation even under the most demanding production conditions. As a reflection of our commitment to sustainability, DURAK Poly-Jet Eco® is manufactured from 100% recycled raw materials and is certified according to the Global Recycled Standard (GRS).



Product Properties

- Reliable, natural-looking sewing thread.
- Suitable for all types of garments, from the finest fabrics to denim and heavy workwear.
- Delivers excellent results at high sewing speeds thanks to its high tenacity and optimum elasticity.
- Resistant to chemical bleaching and sunlight.
- Ensures smooth and consistent stitching due to its special lubrication.
- Resistant to washing, dry cleaning, and abrasion, while maintaining high color fastness.
- Offers all the advantages of a sustainable sewing thread without compromising sewing performance.
- Certified according to OEKO-TEX® Standard 100, Class I (including babywear).

Poly-Jet Eco®

Areas of Use

- Ready-to-Wear Garments
- Underwear
- Swimwear
- Sportswear
- Workwear
- Furniture & Upholstery
- Home Textiles
- Bobbin Thread Applications



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 Poly-Jet Eco® 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

Storage Conditions

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





Poly-Jet Eco®

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
120	27	960	16 - 22	75 - 90



Other Poly-Jet Sub-Brands

- Polyjet WR®** 100% staple spun polyester sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.
- Polyjet UV®** 100% staple spun polyester sewing thread with UV resistance. Polyjet UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.
- Polyjet OS®** 100% staple spun polyester sewing thread with special finishing processes in order to provide high sewing performance in the most challenging conditions. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process.
- Polyjet CFR®** 100% staple spun polyester sewing 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.
- Polyjet Multicolor®** Multicolor staple spun sewing thread made of 100% polyester filament. It is injection-dyed in up to four different colors to give a multi-colored effect on the thread.