



100% RECYCLED CORE-SPUN POLYESTER

Poly-Strong PP Eco®

DURAK Poly-Strong PP Eco® is a versatile sewing thread produced from 100% recycled raw materials under environmentally friendly conditions. It is manufactured by wrapping staple polyester fibers around a high-tenacity continuous filament polyester core.

Thanks to its finishing processes that enhance sewing performance, regular structure and optimum hairiness level, it provides excellent sewing appearance.

In addition to its environmentally friendly structure, it offers high tenacity and excellent abrasion resistance.

As a result of Durak's commitment to sustainability, Poly-Strong PP Eco® is produced from 100% recycled raw materials and is certified according to the GRS (Global Recycle Standard).



Product Properties

- Reliable sewing thread with a natural look
- High resistance to washing and chemicals, ideal for denim applications
- Special finishing processes provide flawless stitches
- Suitable for a wide range of fabrics from very fine fabrics to denim and heavy workwear
- Allows the use of finer threads while maintaining high seam strength thanks to its high-tenacity core



Poly-Strong PP Eco®

Areas of Use

- ✎ Denim
- ✎ Apparel
- ✎ Quilting and Mattress
- ✎ Suits
- ✎ Underwear
- ✎ Furniture
- ✎ Shirts
- ✎ Home textiles
- ✎ Workwear



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.

Alkalis: Resistant to weak alkalis but sensitive to strong alkalis, especially at high temperatures.

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 Poly-Strong PP Eco®

Presented in ticket 50 and 120 in a wide variety of color shade and various cone sizes as standard.

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 heat, humidity and direct sun light.



Poly-Strong PP Eco[®]

Thickness and Strength Chart

Tkt No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
50	60	2.720	18 - 26	100 - 125
120	24	1.250	12 - 20	70 - 90



Other Poly-Strong PP Sub-Brands

Poly-Strong PP WR[®]

100% polyester cospun sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.

Poly-Strong PP UV[®]

100% polyester cospun sewing thread with UV resistance. Poly-Strong(PP)UV[®] minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.

Poly-Strong PP OS[®]

100% polyester cospun 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.

Poly-Strong PP CFR[®]

100% polyester cospun 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.

Poly-Strong PP Multicolor[®]

Multicolor cospun 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.