



100% RECYCLED CORE-SPUN POLYESTER

Poly-Strong PP Recycled®

DURAK Poly-StrongPP Recycled® is a versatile sewing thread manufactured from 100% recycled raw material under environmentally friendly conditions. It is produced by wrapping cut fiber polyester around a high-tenacity polyester core. The lubrication process that improves its performance, its optimum level of hairiness and its even structured surface provides flawless looking stitches. Apart from its environment friendly structure, its high resistance against abrasion, wide variety of colors and high-tenacity makes it an ideal sewing thread. Poly-Strong PP Recycled® is made to perform under the fastest production conditions. Its cut fiber covering provides a hairy structure which reduces the heat on the needle. Our agreement with REPREVE® for recycled raw material honors our commitment to sustainability.



Product Properties

- Reliable sewing thread with natural looks
- Ideal sewing thread for denim due to its high resistance against washing and chemical agents
- Special finishing applications provide flawless stitches
- Versatile thread that can be used on very fine fabric to denim, even for heavy work wear
- Enables using thinner sewing threads that give a neater look without compromising from its strength due to its high-tenacity core.

Poly-Strong PP Recycled®

Areas of Use

- ↻ Denim
- ↻ Apparel
- ↻ Quilting and Mattress
- ↻ Suits
- ↻ Underwear
- ↻ Furniture
- ↻ Shirts
- ↻ Home textiles
- ↻ Work wear



Physical Properties

Dissolves at 260°C, softens at 220 - 240°C.

Less than 1% shrinkage at 150°C.

Chemical Properties

Mineral Acids: Resistant against most mineral acids.

Alkalis: Is not affected by weak alkalis but not durable against strong alkalis especially in high heat.

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%.

Presentation

Durak Poly-Strong PP Recycled®

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
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

Storage Conditions

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



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Thickness and Strength Chart

Tkt No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
50	60	2.720	18 - 26	100 - 125
120	21	1.160	12 - 20	70 - 90



Other Poly-Strong PP Sub-Brands

Poly-Strong PP WR®

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

Poly-Strong PP UV®

100% polyester cospun sewing thread with UV resistance. Poly-Strong(PP)UV® minimizes UV destructions 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 up to four different colors to give a multi-colored effect on the thread.