



UV RESISTANCE 100% POLYESTER CORESPUN SEWING THREAD

Poly-Strong PP UV®

DURAK Poly-Strong PP UV® is a 100% polyester-coated polyester sewing thread produced with enhanced UV resistance. It protects the thread against negative effects caused by UV exposure, such as reduction in thread tenacity, decreased abrasion resistance, and color fading. All these negative effects are referred to as UV degradation. Poly-Strong PP UV® minimizes this degradation to a minimum level. It is an excellent sewing thread offering high resistance to abrasion in high-speed sewing applications. With its high tenacity, bright colors, wide range of thickness options, and excellent performance, it appeals to a very wide range of applications.



Product Properties

- Minimizes UV degradation.
- High tenacity.
- Effect that prevents color fading.
- Superior seamless sewing performance.

Poly-Strong PP UV®

Areas of Use

- Outdoor Textiles
- Furniture
- Automotive
- Tent / Tarpaulin

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-Strong PP UV® 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 heat, humidity and direct sunlight.



Poly-Strong PP UV®

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
18	150	7.200	18 - 26	140 - 180
25	120	6.100	18 - 26	125 - 180
30	105	5.400	18 - 26	110 - 140
35	80	4.100	18 - 26	110 - 130
40	80	4.100	18 - 26	110 - 130
50	60	2.750	18 - 26	100 - 125
60	50	2.600	18 - 26	100 - 125
80	40	2.000	16 - 24	80 - 100
100	30	1.600	16 - 24	80 - 90
120	24	1.250	12 - 20	70 - 90
150	20	920	12 - 20	60 - 80
180	17	860	12 - 20	60 - 80

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 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 to four different colors to give a multi-colored effect on the thread.

Poly-Strong PP Eco®

100% polyester cospun sewing thread, produced by 100% recycled polyester. It offers all the advantages of a sustainable sewing thread without compromising sewing performance.