



SILICONE-FREE SPECIALLY LUBRICATED 100% POLYESTER CORESPUN SEWING THREAD

Poly-Strong PP OS®

DURAK Poly-Strong OS®PP, is a staple polyester coated continuous filament polyester core 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. It makes a difference with its superior sewing performance especially in demanding applications such as automotive industry and dyehouse filters.



Product Properties

- Reliable sewing thread with natural appearance.
- Provides superior sewing performance with its high-technology finishing processes and lubricants.
- High tenacity due to its strong structure.
- Does not contain substances such as silicone, grease, graphite, wax and paraffin.



Poly-Strong PP OS®

Areas of Use

- Automotive Sector
- Dyehouse Filters
- Dyehouse clothes and gloves
- Other dyehouse products



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 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 Poly-Strong(PP) OS 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

Storage Conditions

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





Poly-Strong PP OS[®]

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	21	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 corespun sewing thread with water repellent. It has a PCF-free water repellent surface coating.

Poly-Strong PP UV[®]

100% polyester corespun 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 CFR[®]

100% polyester corespun 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 corespun 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.

Poly-Strong PP Recycled[®]

100% polyester corespun sewing thread, produced by 100% recycled polyester. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance.