



**100% POLYESTER CORE-SPUN SEWING THREAD
PRODUCED BY COATING METHOD (FCT)**

Poly-Strong Premium®

DURAK Poly-strong Premium® is a 100% polyester core-spun sewing thread produced by the coating method. This method called FCT was developed by Durak Tekstil. Special finishing processes that increase sewing performance on every surface from fine fabrics to thick denim fabrics provide a perfect sewing appearance with its regular structure and various thicknesses according to different fabrics. DURAK Poly-strong Premium® has a hairless-brilliant appearance and increases your production efficiency even under the most demanding conditions.



Product Properties

- Knotless and hairless structure thanks to the coating method (FCT).
- Reliable sewing thread with brilliant appearance.
- High tenacity thanks to FCT technology developed as a result of R&D studies.
- Versatile thread that can be used on very fine fabric to denim, even for heavy work wear.



Poly-Strong Premium®

Areas of Use

- Denim
- Suits
- Furniture
- Quilting and Mattress
- Shirts
- Underwear
- Home Textiles
- Workwear



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 Premium® 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.



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Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
15	200	8.100	16 - 26	140 - 160
30	105	4.000	16 - 26	110 - 130
50	60	2.800	16 - 26	90 - 110
80	40	1.770	16 - 26	80 - 100
100	32	1.500	16 - 26	70 - 90
120	25	1.120	16 - 26	70 - 80
150	20	970	16 - 26	65 - 70

