



**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 polyester coating technique (FCT) developed by Durak Tekstil. Thanks to its special lubricants that enhance sewing performance, regular structure, optimum hairiness level and various thickness options for different fabrics, it provides excellent sewing appearance on every surface from fine fabrics to thick leather fabrics. With its lint-free and brilliant appearance, DURAK Poly-Strong® Premium improves color harmony and sewing quality in your products while increasing production efficiency.



Product Properties

- Knotless and lint-free structure thanks to the coating method (FCT).
- Reliable sewing thread with brilliant appearance.
- High tenacity thanks to FCT technology developed through R&D studies.
- Versatile thread suitable for a wide range of fabrics from very fine fabrics to denim and heavy workwear.



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 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 Premium® 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.





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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

