



**UV RESISTANT
100% STAPLE SPUN POLYESTER
SEWING THREAD**

Poly-Jet UV®

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DURAK Poly-Jet UV® is a sewing thread produced from 100% staple spun polyester with enhanced UV resistance.

It provides protection against negative effects caused by UV radiation, such as reduction in thread tenacity, decreased abrasion resistance, and color fading.

All these negative effects are referred to as UV degradation. Poly-Jet 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 wide variety of applications.



Product Properties

- Minimizes UV degradation.
- Reliable sewing thread with a natural appearance.
- Effect that prevents color fading.
- Superior seamless sewing performance.

Poly-Jet UV®



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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-Jet 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-Jet UV[®]

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
30	80	3.450	18 - 26	110 - 130
50	55	2.250	16 - 24	100 - 120
80	40	1.500	16 - 24	80 - 100
120	27	950	16 - 22	75 - 90
150	18	700	12 - 18	65 - 75



Other Poly-Jet Sub-Brands

Polyjet WR[®]

100% staple spun polyester sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.

Polyjet OS[®]

100% staple spun polyester 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.

Polyjet CFR[®]

100% staple spun polyester 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.

Polyjet Multicolor[®]

Multicolor staple spun sewing thread made of 100% polyester. It is injection dyed in up to four different colors to give a multi-colored effect on the thread.

Polyjet Eco[®]

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