



**DURAK** 

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

**Poly-Jet UV®**

DURAK Poly-Jet UV® is a 100% staple spun polyester sewing thread with UV resistance. This feature protects the thread against the negative effects of UV lights such as discoloration, low abrasion resistance and loss of tenacity. All these negative effects are called UV destruction. Poly-Jet UV minimizes this destruction. It is an excellent sewing thread with high resistance against abrasion in high speed sewing.



## Product Properties

- ✦ Minimizes UV destruction.
- ✦ Reliable sewing thread with natural appearance.
- ✦ Effect that prevents fading of colors.
- ✦ Superior seamless sewing performance.

**Poly-Jet UV®**

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# Poly-Jet 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 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-Jet UV® offers a wide range of colors in a variety of meters size and thicknesses.

## Storage Conditions

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

## 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





# Poly-Jet UV<sup>®</sup>

## 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<sup>®</sup>

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

### Polyjet OS<sup>®</sup>

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 CRF<sup>®</sup>

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<sup>®</sup>

Multicolor staple spun 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.

### Polyjet Recycled<sup>®</sup>

100% staple spun polyester 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.