



**100% STAPLE SPUN POLYESTER
SEWING THREAD**

Poly-Jet®

DURAK Poly-Jet® is a sewing thread appeals to many different sectors, made of 100% staple spun polyester, offering thickness alternatives from 80 Tex to 18 Tex with 300 color options. It provides perfect sewing appearance on every surface from fine fabrics to denim fabrics. It also gives excellent results as a bobbin thread in overlock sewing and lock-stitch.



Product Properties

- ✦ Reliable sewing thread with natural appearance
- ✦ Flawless and smooth sewing is achieved thanks to its special lubricant
- ✦ Suitable for all kinds of sewing, from the thinnest fabric, to denim clothes.
- ✦ Good resistance against washing and abrasion
- ✦ Prevents needle heating while sewing applications due to its soft structure



Poly-Jet®

Areas of Use

- Ready-made garment
- Underwear
- Swimwear
- Sportswear
- Workwear
- Furniture
- Home Textile
- Bobbin Thread

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® 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)
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. It has a PCF-free water repellent surface coating.

Polyjet UV®

100% staple spun polyester sewing thread with UV resistance. Polyjet UV® minimizes UV destructions such as discoloration, low abrasion resistance and loss of tenacity.

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 CRF®

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 filament. It is injection dyed up to four different colors to give a multi-colored effect on the thread.

Polyjet Recycled®

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.