



**SILICONE-FREE
SPECIALLY LUBRICATED
100% STAPLE SPUN POLYESTER
SEWING THREAD**

Poly-Jet OS®

Poly-Jet OS®

DURAK Poly-Jet OS® is a high-tenacity sewing thread made of staple spun polyester, suitable for a wide range of industries. During the finishing process, a controlled lubrication is applied, ensuring the absence of substances such as silicone, grease, graphite, wax, and paraffin. It delivers outstanding sewing performance, especially in demanding applications such as the automotive industry and dyehouse filters.



Product Properties

- ✦ Reliable sewing thread with natural appearance.
- ✦ Delivers superior sewing performance thanks to high-technology finishing processes and advanced lubrication.
- ✦ Free from substances such as silicone, grease, graphite, wax, and paraffin.
- ✦ Excellent abrasion resistance.

Poly-Jet OS®

Areas of Use

- Automotive
- Filters
- Workwear
- Other usage areas

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 OS® offers a wide range of colors in a variety of meter sizes and thicknesses.

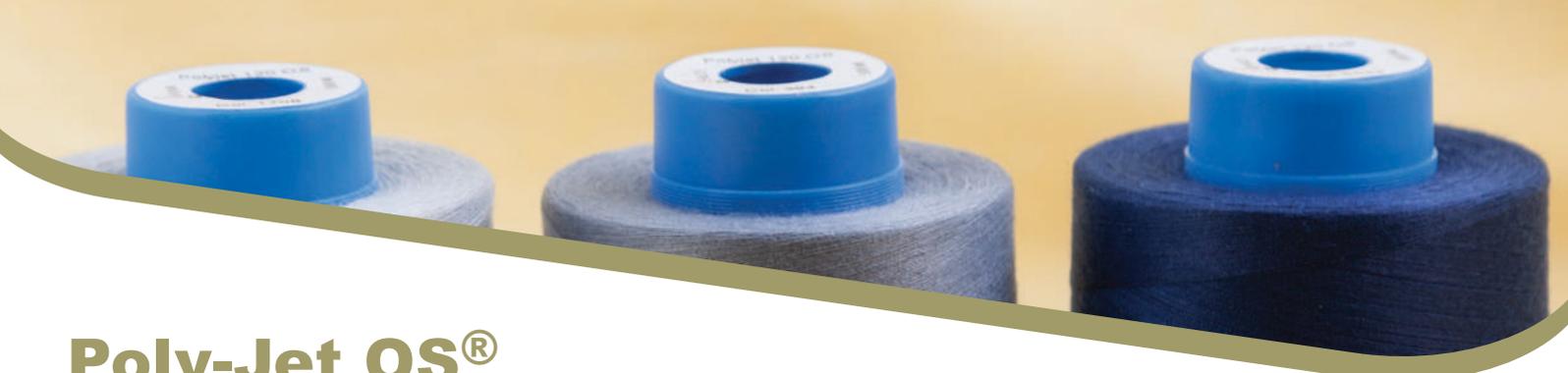
Color Fastness

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.

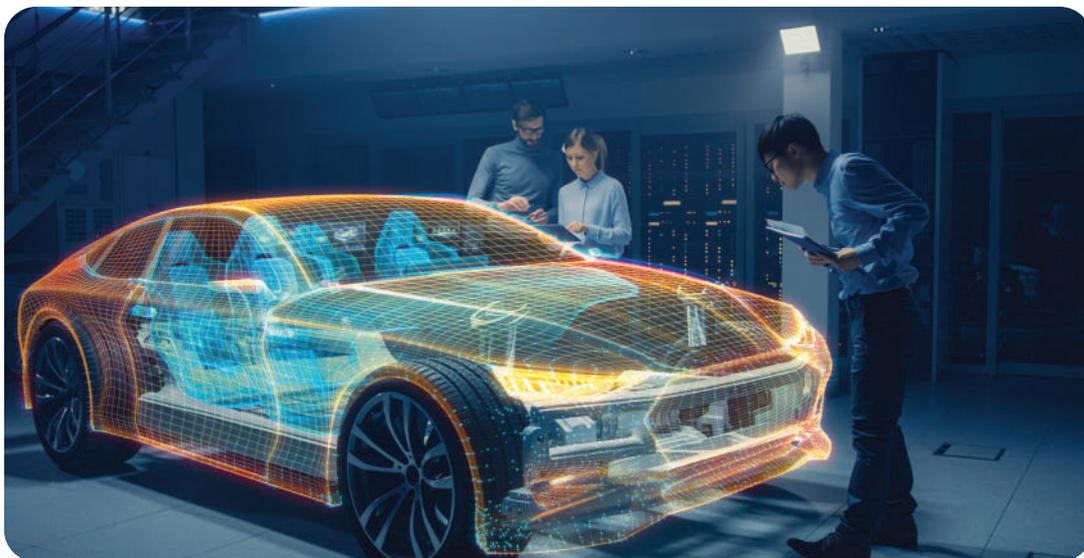




Poly-Jet OS®

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 UV®

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

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 filament. 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 thread without compromising sewing performance.