



100% STAPLE SPUN POLYESTER MULTICOLOR SEWING THREAD

Poly-Jet Multicolor®

DURAK Poly-Jet Multicolor® is a 100% high-tenacity staple spun polyester sewing thread. It is injection-dyed in up to four different colors to create an eye-catching multi-colored effect on the thread. From soft tonal shades to striking rainbow contrasts, Poly-Jet Multicolor® adds a distinctive and unique appearance to garments. Its performance-enhancing finishing process, uniform structure and optimum hairiness level ensure excellent seam appearance on all types of fabrics.



Product Properties

- Injection-dyed in up to 4 colors.
- Distinctive appearance ranging from light-toned shades to vibrant rainbow contrasts.
- Reliable sewing thread with a natural appearance.
- High resistance to washing and chemical agents.

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Areas of Use

- Ready-to-wear Garments
- Underwear
- Swimwear
- Sportswear
- Workwear
- Furniture
- Home Textile
- Bobbin Thread Applications

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 Multicolor® offers 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.

It is recommended to use low-melting interlining for mid and dark shade multicolor threads.



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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 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 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 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.