



HIGH-ELASTICITY POLYESTER SEWING THREAD

Duraflex®

DURAK Duraflex® is a stretch sewing thread made of polyester. It gives the required seam elasticity with stitches that require flexible properties especially with around the neck and around arms and legs. Thus, breaks that may occur during stretching are prevented. It provides a very good extension and recovery feature when using the lockstitch. Much less thread consumption is obtained compared to chain stitches. If Duraflex® branded threads are used as top and bobbin thread at the same time, possible to achieve maximum sewing flexibility.



Product Properties

- Excellent seam flexibility thanks to its structure.
- Provides high sewing performance in the most challenging conditions.
- Vivid, silky and brilliant appearance.
- High abrasion and perspiration fastness.
- Available in a wide variety of colors and sizes for all stretch fabric types.

Duraflex®

Areas of Use

- ✎ Underwear
- ✎ Sportswear
- ✎ Home Textile
- ✎ Swimwear
- ✎ Apparel
- ✎ All sewing applications requiring flexibility

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 Duraflex® 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.





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Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
30	100	3.000	40 - 50	110 - 130
50	66	2.000	40 - 50	100 - 120
120	33	950	40 - 60	75 - 90

