



DURAK

FLAME-RETARDANT 100% TEXTURIZED POLYESTER SEWING THREAD

Duratex CFR®

DURAK Duratex CFR® is a 100% texturized polyester sewing thread with added flame-retardant properties, produced using the chemical coating method in accordance with relevant standards. Thanks to its special surface coating, it retains its flame-retardant performance even after 20 washes, as verified by NFPA 701. By reducing flammability, the thread ensures that flames extinguish immediately once removed from the heat source instead of spreading. In addition, it delivers high resistance to abrasion, chemical effects, and outdoor weather conditions, maintaining reliable performance even in high-speed sewing.



Product Properties

- Flame-retardant.
- Bulky appearance thanks to its texturized structure.
- Superior seamless sewing performance.
- High elongation with excellent covering ability.

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Areas of Use

- Occupational Safety Products
- Furniture
- Home Textile
- Decorative Products

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 Duratex CFR® 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.

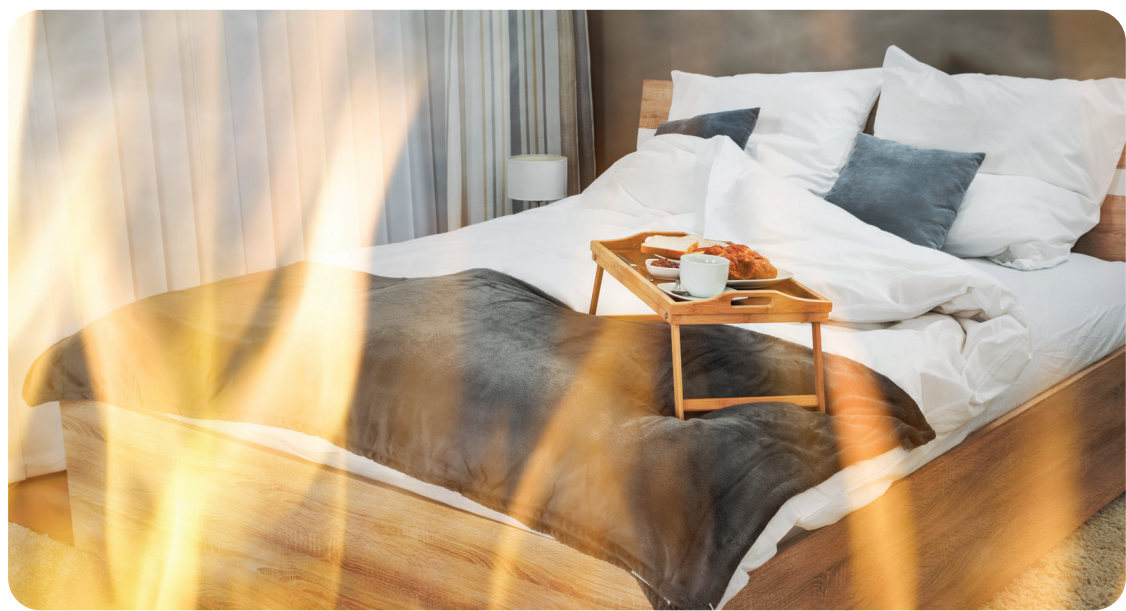




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Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
40	60	2.800	24 - 32	100 - 125
90	33	1.250	20 - 32	80 - 100
180	17	700	20 - 32	70 - 90
240	10	500	20 - 32	70 - 80



Other Duratex Sub-Brands

- Duratex UV®** 100% texturized polyester sewing thread with UV resistance. Duratex UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.
- Duratex OS®** 100% texturized 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.
- Duratex Multicolor®** Multicolor sewing thread made of 100% texturized polyester filament. It is injection injection-dyed in up to four different colors to give a multi-colored effect on the thread.
- Duratex Eco®** 100% texturized polyester sewing thread, produced by 100% recycled polyester. It offers all the advantages of a sustainable sewing thread without compromising performance.