



**DURAK** 

**FLAME RETARDANT  
100% TEXTURIZED POLYESTER  
SEWING THREAD**

## **Duratex CFR®**

DURAK Duratex CFR® is a 100% texturized 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. Even after 20 washes, it can maintain its flame-retardant property according to NFPA 701. The flammability of the thread is reduced thus when it's removed from the heat source, flames will extinguish immediately instead of spreading. It provides high resistance against abrasion, chemical effects and outdoor weather conditions in high speed sewing.



### **Product Properties**

- Flame retardant.
- Bulky appearance thanks to its texturized structure.
- Superior seamless sewing performance.
- High elongation and covering property.

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# Duratex CFR®

## Areas of Use

- Occupational Safety
- Furniture
- Home Textile
- Decoration 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 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 Duratex CFR® 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)
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 destructions 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 dyed up to four different colors to give a multi-colored effect on the thread.

### Duratex Recycled®

100% texturized 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.