



**SILICONE-FREE
SPECIALLY LUBRICATED
100% TEXTURIZED POLYESTER
SEWING THREAD**

Duratex OS®

DURAK Duratex OS® is a sewing thread made of 100% high tenacity texturized polyester 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. DURAK Duratex OS® makes a difference with its superior sewing performance especially in demanding applications such as automotive industry and dyehouse filters.



Product Properties

- ✦ High elongation and covering property.
- ✦ Does not contain substances such as silicone, grease, graphite, wax and paraffin.
- ✦ High-tech finishing process provides excellent sewing performance.
- ✦ Good abrasion resistance.



Duratex OS[®]

Areas of Use

- Automotive
- Filters
- Workwears
- 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 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 OS[®] 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	23	80 - 100
180	17	700	24 - 28	70 - 90
240	10	500	22	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 CFR®

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.

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.