



**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, specially finished to ensure excellent sewing performance under the most challenging conditions. During the finishing process, a controlled lubrication method is applied without the use of substances such as silicone, grease, graphite, wax, or paraffin. Thanks to this, DURAK Duratex OS® delivers superior sewing performance, particularly in demanding applications such as the automotive industry and dyehouse filters.



Product Properties

- ✦ High elongation and excellent covering properties.
- ✦ Free from silicone, grease, graphite, wax, and paraffin.
- ✦ Advanced finishing process ensures superior sewing performance.
- ✦ Outstanding abrasion resistance.



Duratex OS®

Areas of Use

- Automotive
- Filters
- Workwear
- 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 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 OS® offers a wide range of colors in a variety of meter sizes and thicknesses.

Storage Conditions

Must be stored away from heat, humidity and direct sunlight.

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





Duratex OS[®]

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 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 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 thread without compromising sewing performance.