



SILICONE-FREE SPECIALLY LUBRICATED 100% NYLON 6.6 SEWING THREAD

Duralon OS[®]

DURAK Duralon OS[®] is a high-tenacity nylon 6.6 sewing thread with special finishing processes to ensure high sewing performance under the most challenging conditions. It has a soft structure that reduces needle heat effects and provides excellent abrasion resistance. During finishing, a controlled lubrication process is applied without using substances such as silicone, grease, graphite, wax, or paraffin. Durak Duralon OS[®] delivers superior sewing performance, especially in demanding applications such as the automotive industry and dyehouse filters.



Product Properties

- ❖ Free of substances such as silicone, grease, graphite, wax, and paraffin.
- ❖ Good abrasion resistance.
- ❖ High tenacity and sewing elasticity.
- ❖ Provides superior sewing performance thanks to advanced finishing processes and lubricants.



Duralon OS®

Areas of Use

- Automotive Sector
- Dyehouse Filters
- Dyehouse clothing and gloves
- Other dyehouse products

Physical Properties

Melts at 260°C and softens at 190°C.
Shrinkage is less than 1% at 150°C.

Chemical Properties

Mineral acids: Soluble in strong mineral acids, resistant to weak acids.

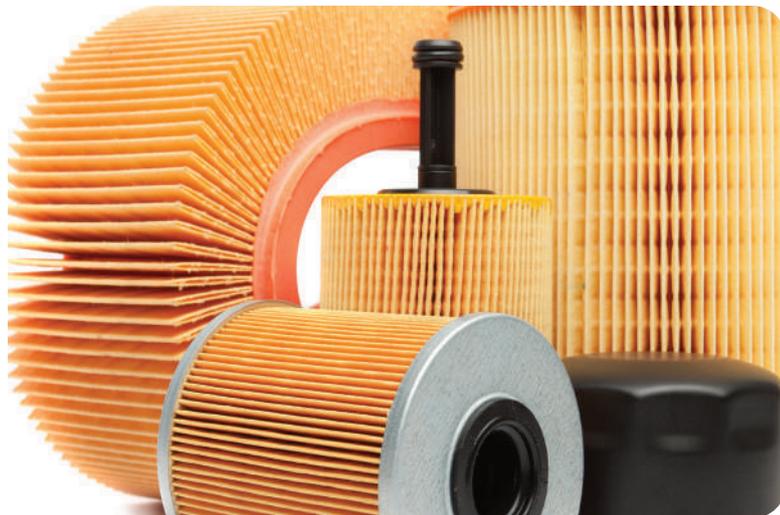
Alkalis: Resistant to weak alkalis but it may be damaged by strong alkalis at high temperatures.

Organic solvents: Generally unaffected.

Bleaching: Unaffected.

Microorganisms (Mildew/Rot): Unaffected.

Moisture regain: 0.4%



Product Options

Durak Duralon OS® 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)
8	400	25.000	20 - 35	160 - 200
10	250	19.000	22 - 32	160 - 200
15	180	14.500	22 - 32	120 - 160
20	150	10.250	22 - 32	120 - 140
30	105	6.630	22 - 32	110 - 130
40	70	5.000	18 - 28	100 - 120
60	45	3.420	18 - 28	90 - 100
80	35	2.500	12 - 25	75 - 90



Other Duralon Sub-Brands

- Duralon WR®** 100% high tenacity nylon 6.6 sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.
- Duralon AS®** Antistatic sewing thread made of 100% high tenacity nylon 6.6, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a concern.
- Duralon UV®** 100% high tenacity nylon 6.6 sewing thread with UV resistance. Duralon UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.
- Duralon CFR®** 100% high tenacity nylon 6.6 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.