



## SILICONE-FREE SPECIALLY LUBRICATED 100% NYLON 6.6 SEWING THREAD

# Duralon OS<sup>®</sup>

DURAK Duralon OS<sup>®</sup> is a high tenacity nylon 6.6 sewing thread with special finishing processes in order to provide high sewing performance in the most challenging conditions. It has a soft structure which reduces the effects of needle heat and provides excellent abrasion resistance. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process. Durak Duralon OS<sup>®</sup> makes a difference with its superior sewing performance especially in demanding applications such as automotive industry and dyehouse filters.



## Product Properties

- ❖ Does not contain substances such as silicone, grease, graphite, wax and paraffin.
- ❖ Good abrasion resistance.
- ❖ High tenacity and sewing elasticity.
- ❖ Provides superior sewing performance with its high-technology finishing processes and lubricants.



# Duralon OS®

## Areas of Use

- Automotive Sector
- Dyehouse Filters
- Dyehouse clothes 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 by strong mineral acids, resistant to weak acids.

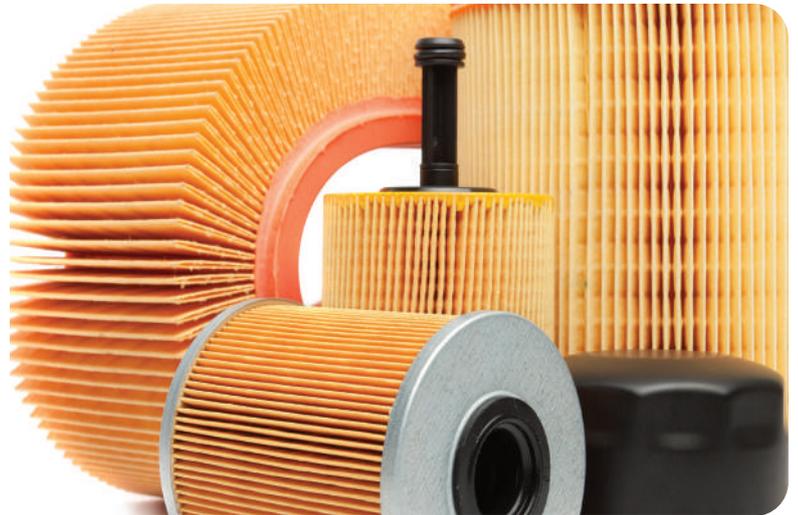
**Alkalis:** Resistant to weak alkalis but it can be damaged by strong alkalis at high temperatures.

**Organic solvents:** Generally unaffected.

**Bleaching:** Unaffected.

**Microorganisms (Mildew/Rot):** Unaffected.

**Moisture regain:** %0.4



## Presentation

Durak Duralon 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)
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. It has a PCF-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 problem.
- Duralon UV®** 100% high tenacity nylon 6.6 sewing thread with UV resistance. Duralon UV® minimizes UV destructions 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.