



**100% CONTINUOUS  
FILAMENT POLYESTER  
SILICONE-FREE SPECIALLY  
LUBRICATED SEWING THREAD**

# Durafix OS®

Durak Durafix OS® is a high-tenacity continuous filament polyester sewing thread, engineered with special finishing processes to deliver superior sewing performance in the most demanding applications. Controlled lubrication is applied during finishing without the use of silicone, grease, graphite, wax, or paraffin. This makes a significant difference, particularly in challenging sectors such as automotive manufacturing and dyehouse filter production.



## Product Properties

- ✦ High tenacity due to its continuous filament structure
- ✦ Free from silicone, grease, graphite, wax, and paraffin
- ✦ Superior sewing performance thanks to advanced finishing processes and lubricants.
- ✦ Excellent abrasion resistance

# Durafix 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 Solutions:** Unaffected by common solvents, soluble in some phenolic compounds.

**Bleaching:** Unaffected.

**Micro Organisms / (Fungus, mold):** Unaffected.

**Washing / Dry Cleaning:** Unaffected.

**Moisture Regain:** 0.4%



## Product Options

Durafix 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 (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
Light Fastness	ISO 105 B02	Min. 5



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## Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
6	500	31.000	25 - 35	160-280
8	330	22.000	25 - 35	160-280
10	280	18.000	25 - 35	160-280
11	270	15.000	25 - 35	160-280
15	175	11.000	25 - 35	140-160
20	135	9.200	25 - 35	140-160
30	80	5.500	14-26	130-140
40	60	4.700	15-23	100-110
50	55	3.500	14-24	100-110
60	45	2.950	14-24	90-100
70	40	2.650	14-20	90-100
80	35	2.280	14-20	75-90
100	27	1.800	14-20	70-90
120	24	1.600	14-20	70-90
150	20	1.200	14-20	70-90
180	16	950	14-20	65-75
200	12	760	14-20	65-75
300	10	650	14-20	55-60
400	6	450	14-20	55-60

## Other Durafix Sub-Brands

- Durafix WR®** 100% high tenacity continuous filament polyester sewing thread with water repellent properties. It has a PFC-free water repellent surface coating.
- Durafix AS®** Anti-static sewing thread made of 100% high tenacity continuous filament polyester, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a concern.
- Durafix UV®** 100% high tenacity continuous filament polyester sewing thread with UV resistance. Durafix UV® minimizes UV degradation such as discoloration, low abrasion resistance and loss of tenacity.
- Durafix CFR®** 100% high tenacity continuous filament 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.
- Durafix Multicolor®** Multicolor sewing thread made of 100% high-tenacity continuous filament polyester. It is injection-dyed in up to four different colors to create a multi-colored effect on the thread.
- Durafix Eco®** High-tenacity polyester sewing thread, produced from 100% recycled polyester. It offers all the advantages of a sustainable thread without compromising sewing performance.