



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

Durafix OS®

Durak Durafix OS® is a high-tenacity continuous filament polyester sewing thread 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. It makes a difference with its superior sewing performance especially in demanding applications such as automotive industry and dyehouse filters.



Product Properties

- ✦ High tenacity due to its continuous filament structure
- ✦ Does not contain substances such as silicone, grease, graphite, wax and paraffin
- ✦ Provides superior sewing performance with its high-technology finishing processes and lubricants
- ✦ Good abrasion resistance

Durafix 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.

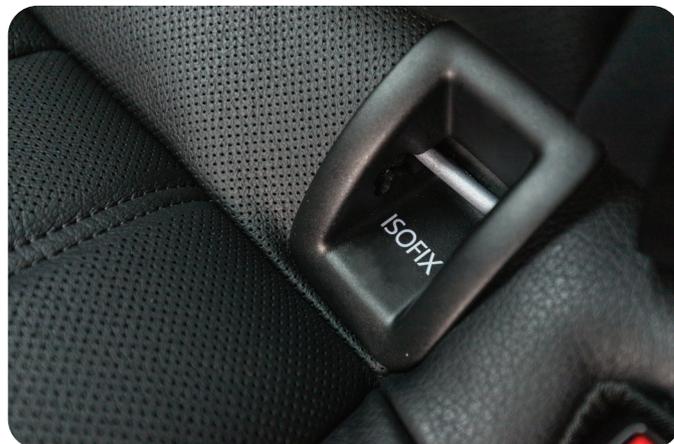
Organic Solutions: Unaffected by normal solvents, soluble in some phenolic compounds.

Bleaching: Unaffected.

Micro Organisms / (Fungus, mold): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture Regain: %0.4



Presentation

Durafix OS® offers a wide range of colors in a variety of meters size 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
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





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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. It has a PCF-free water repellent surface coating.
- Durafix AS®** Antistatic 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 problem.
- Durafix UV®** 100% high tenacity continuous filament polyester sewing thread with UV resistance. Durafix UV® minimizes UV destructions such as discoloration, low abrasion resistance and loss of tenacity.
- Durafix CRF®** 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 up to four different colors to give a multi-colored effect on the thread.
- Durafix Recycled®** High-tenacity polyester sewing thread, produced from 100% recycled polyester. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance.