



DURAK

**ANTI-STATIC
100% NYLON
6.6 SEWING THREAD**

Duralon AS[®]

DURAK Duralon AS[®] is an 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. High tensile tenacity and optimum stretch specifications produce smooth and attractive sewing in leather shoes. It is specially lubricated to give a high durability-fineness ratio and a smooth, uniform appearance. Lubrication also helps to perform well during sewing.



Product Properties

- Specially designed to prevent static electricity formation of products.
- Flawless and smooth sewing is achieved thanks to its special lubricating material.
- Excellent static and dynamic friction values reduce leakage "down" through the pinhole.
- Provides outstanding sewability.
- Has a soft structure which reduces the effects of needle heat and provides excellent abrasion resistance.

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Areas of Use

- Leather Sector
- Safety Footwear
- Protective Footwear
- Hiking Footwear
- Clothing and Footwear for Military Purposes

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 AS® 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 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 OS[®]** 100% high-tenacity nylon 6.6 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.
- 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.