



## 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 with a conductive material. It is designed for applications where electrostatic charge is a concern. Its high tenacity and optimal stretch provide smooth and attractive stitching, especially in leather shoes. Special lubrication ensures a high durability-to-fineness ratio and a smooth, uniform appearance, while also enhancing sewing performance.



### Product Properties

- ✦ Provides outstanding sewability.
- ✦ Specially designed to prevent static electricity in products.
- ✦ Flawless and smooth sewing thanks to its special lubricating material.
- ✦ Excellent static and dynamic friction values reduce leakage through stitch holes.
- ✦ Soft structure reduces needle heat effects and ensures excellent abrasion resistance.

# Duralon AS®

## Areas of Use

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



## 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 AS® 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 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 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.