



UV-RESISTANT 100% NYLON 6.6 SEWING THREAD

Duralon UV®

DURAK Duralon UV® is a high-tenacity nylon 6.6 sewing thread with UV resistance. This feature protects the thread from the negative effects of UV exposure, such as discoloration, reduced abrasion resistance, and loss of tenacity-collectively known as UV degradation. Duralon UV® minimizes these effects. It is an excellent sewing thread with high abrasion resistance, even in high-speed sewing. Its soft structure reduces needle heat effects while providing superior durability.



Product Properties

- ✦ Minimizes UV degradation.
- ✦ High tenacity and sewing elasticity.
- ✦ Effect that prevents fading of colors.
- ✦ Provides superior sewing performance thanks to advanced finishing processes and lubricants.

Duralon UV®

Areas of Use

- Outdoor Textiles
- Furniture
- Automotive
- Tent / Tarpaulins

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 UV® 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 |

Tens/Tarpaulins 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 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 concern.
- 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.