DURAK

100% POLYESTER CONTINUOUS FILAMENT WATER-REPELLENT BONDED SEWING THREADS

Durabond P WR®

Durabond P WR® is a bonded, twisted continuous filament polyester sewing thread with water repellent properties. It is produced by bonding the layers together using environmentally friendly special production processes. It is an excellent choice for outdoor products, shoes, and accessories as it has a specially formulated surface that provides high water resistance. The PFC-free water-repellent coating prevents water absorption by the thread. When the correct sewing tension is used, this coating also prevents water from flowing through the stitch holes.

Product Properties

- Proper sewing tension prevents water from passing through the stitch holes.
- Highly resistant to washing and chemical agents.
- Special finishing applications provide flawless sewing.
- A reliable sewing thread with a natural look.
- Prevents excessive needle heat during sewing.

Durabond P WR®

Areas of Use

- Leather Products
- Furniture
- Protective Clothing (e.g. raincoats and coats)
- Protective Footwear
- Walking Footwear
- Safety Footwear

Physical Properties

Melts at 260°C and softens at 220 - 240°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.
Washing / Dry Cleaning: Unaffected.
Moisture regain: 0.4%.

Product Options

Durak Durabond P WR® offers a wide range of colors in a variety of meter sizes and thicknesses.

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
Hypoclorite 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. 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)
6-F	500	31.315	25 - 35	180 - 230
8-F	350	21.710	25 - 35	160 - 200
10-F	270	18.000	25 - 35	160 - 200
11-F	240	16.600	20 - 30	160 - 200
15-F	150	11.000	15 - 25	130 - 160
20-F	135	9.150	15 - 25	130 - 160
30-F	80	5.200	15 - 25	120 - 140
40-F	70	4.800	15 - 25	110 - 120
60-F	45	3.100	15 - 25	90 - 110