



## WATER REPELLENT CONTINUOUS FILAMENT POLYESTER BONDED SEWING THREAD

### Durabond P WR®

Durabond P WR® is a bonded, twisted continuous filament polyester sewing thread with water repellent. It is produced with the principle of bonding the layers to each other in special production processes that are sensitive to the environment. It is an excellent choice for outdoor products, shoes and accessories as it has a specially formulated surface that provides a high water resistance. It prevents water from being absorbed by the thread thanks to PFC-free water-preventing coating material. This coating prevents the water from flowing through the stitch holes when the correct sewing tension is used.



### Product Properties

- ❖ Water passing through the pinhole is prevented when the correct sewing tension is used.
- ❖ High resistance against washing and chemical agents.
- ❖ Special finishing applications provide flawless sewing.
- ❖ Reliable sewing thread with natural appearance.
- ❖ Prevents needle heating.



# Durabond P WR®

## Areas of Use

- Leather products
- Furniture
- Protective clothing such as raincoat and coat
- 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 by strong mineral acids, resistant to weak acids.

**Alkalis:** Resistant to weak alkalis but it can be damaged by strong alkalis at high temperatures.

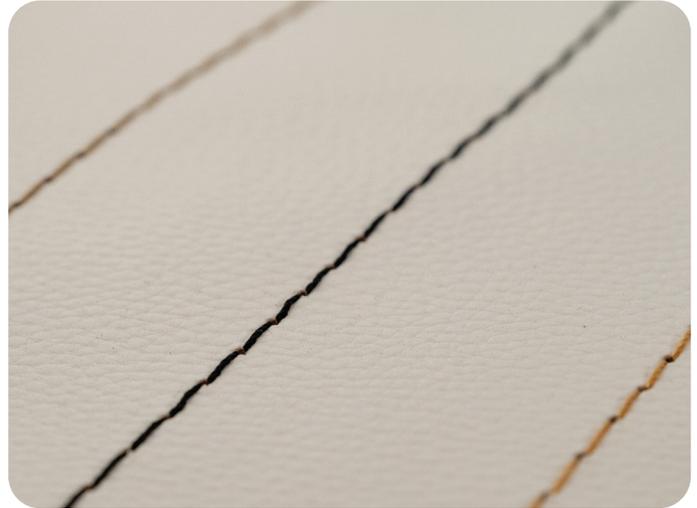
**Organic solvents:** Generally unaffected.

**Bleaching:** Unaffected.

**Microorganisms (Mildew/Rot):** Unaffected.

**Washing / Dry Cleaning:** Unaffected.

**Moisture regain:** %0.4.



## Presentation

Durak Durabond P WR® 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 - 5
Water fastness	ISO 105 E01	Min 4
Friction fastness	ISO 105 X12	Min 3 - 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-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

