



**100% POLYESTER  
CONTINUOUS FILAMENT  
UV-RESISTANT BONDED SEWING THREAD**

## **Durabond P UV®**

Durabond P UV® is a UV resistant, bonded, twisted continuous filament polyester sewing thread made from 100% polyester. It is produced by bonding the layers together through environmentally friendly special production processes. This structure provides protection against the damaging effects of UV rays—such as reduced tensile strength, loss of abrasion resistance, and color fading—commonly referred to as UV degradation. Durabond P UV® minimizes this degradation and offers excellent abrasion resistance, especially in high-speed sewing applications.



### **Product Properties**

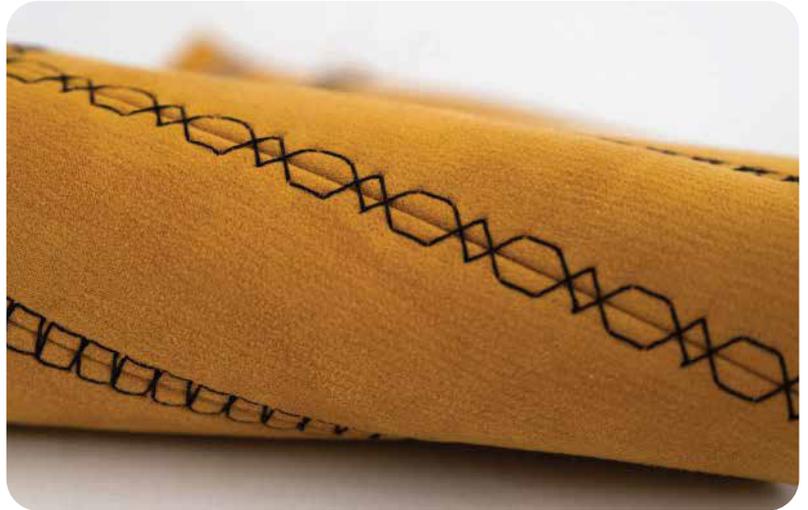
- Color fading resistance
- Excellent friction and abrasion resistance
- Minimizes UV degradation
- Optimal durability, maximum operational performance, and efficiency.
- Capability to operate at high speeds
- Provides smooth and consistent sewing performance.



# Durabond P UV®

## Areas of Use

- Outdoor Textiles
- Furniture
- Automotive
- Tent / Tarpaulins



## Physical Properties

Melts at 260°C and softens at 220 - 240°C.

Shrinkage is less than 1% at 150°C.

## Chemical Properties

**Mineral acids:** Resistant to most mineral acids.

**Alkalis:** Unaffected by weak alkalis, moderately resistant to strong alkalis.

**Organic solvents:** Unaffected by common solvents, soluble in some phenolic compounds.

**Bleaching:** Unaffected.

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

**Washing / Dry Cleaning:** Unaffected.

**Moisture regain:** 0.4%.

## Product Options

Durabond P UV® 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
Hypochlorite 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.





# Durabond P UV<sup>®</sup>

## 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

