

Durak Fire Safe P-Aramid®



Military Protective Clothing



Safety Footwear



Flame-Retardant Safety Workwear



Tape-Edge Applications



Thermal Insulation



Protective Gloves



Firefighter Apparel

FASTNESS

Washing Fastness (60°C)	ISO 105-C06	Min.:3
Rubbing Fastness	ISO 105-X12	Min.:3

PHYSICAL AND CHEMICAL PROPERTIES

Flame	Self-extinguishing at 500 °C: when removed from the heat source, flames extinguish immediately instead of spreading.
UV Resistance	Para Aramid should not be exposed to UV rays. Extended sunlight exposure may fade colors and reduce strength. Extended UV exposure (40–60 weeks) may result in up to 50% strength loss
Bleaching	High resistance to lubricants and bleaches.
Abrasion	Good abrasion resistance.

THICKNESS AND STRENGTH CHART

TKT	Nominal Tex	Strenght CN	Elongation %	Needle Size
30/1	19	1.300	2-5	*
16/2	70	4.800	2-8	*
50	60	5.000	3-6	90-110
70	40	4.500	3-6	75-90

STORAGE CONDITIONS

*Must be stored in a place away from heat, sunlight, humidity and in black bags.



Industrial textiles, protective and firefighter clothing, as well as home textile applications requiring fire safety such as mattress edges, demand materials that are resistant to extreme heat and direct flame exposure. In sectors such as automotive, aerospace, thermal insulation, and occupational safety apparel, sewing threads with flame-retardant properties provide reliable solutions for applications requiring high strength and heat resistance.

Durak Fire Safe P-Aramid® is a specially engineered sewing thread made from 100% staple-spun para-aramid filament, offering permanent flame-retardant properties. Available in natural color and in 40 Tex and 60 Tex thicknesses, this thread withstands temperatures up to 500 °C. Special finishing processes enhance sewing performance, providing a regular stitch structure and optimal hairiness level, ensuring both aesthetic and reliable results. It is specifically designed to meet the high strength and flame-retardant requirements of the automotive and thermal insulation industries.

- Superior sewing performance in protective and firefighter clothing, thanks to low elongation and high strength.
- Specially developed to meet heat safety standards in various applications, including aerospace, automotive, thermal insulation, and fire-safe home textiles.
- Tested and certified according to EN ISO 15025 non-flammability standard.
- Excellent resistance to flame, high temperatures, and electric sparks.
- Available in natural color and in 40 Tex and 60 Tex thicknesses.

ULTIMATE FLAME RETARDANT PROTECTION Durak Fire Safe P-Aramid®

