



100% PARA ARAMID SEWING THREAD

Fire Safe P-Aramid®

Durak Fire Safe P-Aramid is a sewing thread that has a permanent flame retardant feature. DURAK Fire safe P-Aramid®, which is presented in various thickness alternatives, is a product made of 100% staple spun para aramid filament that provides high resistant up to 500 °C. Special finishing processes that increase sewing performance ensure a perfect sewing appearance with its regular structure and optimum hairiness level.



Product Properties

- Shows superior sewing properties against impacts in protective clothing with its low elongation and high strength values.
- Specially developed to meet heat safety standards in many industries such as aviation, automotive and insulation.
- Tested and certified according to EN ISO 15025 non-flammability standard.
- Excellent resistance to flame, heat and electric sparks.

Fire Safe P-Aramid®

Areas of Use

- ✦ Military Protective Clothing
- ✦ Filters
- ✦ Safety Footwear
- ✦ Flame Retardant Safety Workwear
- ✦ Tape-Edge Applications
- ✦ Thermal Insulation
- ✦ Protective Gloves
- ✦ Firefighter Apparel



Physical and Chemical Properties

- Soluble at 500°C, when it's removed from the heat source, flames will extinguish immediately instead of spreading
- UV resistance is quite low. It suffers loss of color and tenacity when exposed to sunlight for a long time.
- If exposed to UV rays for 40-60 weeks, it may lose about 50% of its strength.
- High resistance to lubricants and bleaches.
- Good abrasion resistance.
- **Para Aramid should not be exposed to UV rays.**

Presentation

DURAK Fire Safe P-Aramid is offered in various meter sizes and thicknesses.

Storage Conditions

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

Color Fastness

Washing fastness at 95°C	ISO 105 C06	Min. 3
Friction fastness	ISO 105 X12	Min. 3



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Thickness and Strength Chart

Tkt No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
30/1	19	1.300	2 - 5	*
16/2	70	5.000	2 - 8	*
50	60	4.800	3 - 6	90 - 110
70	40	3.000	3 - 6	75 - 90

