

100% META ARAMID SEWING THREAD

Fire Safe M-Aramid®

Durak Fire Safe M-Aramid is a sewing thread that has a permanent flame retardant feature. DURAK Fire safe M-Aramid®, which is presented in various thickness alternatives and wide range of color options, is a product made of 100% staple spun meta aramid filament that provides high resistant up to 370 °C.

Tkt no.100(26 Tex) thickness is specially developed for embroidery applications requiring flame retardancy. Special finishing processes that increase sewing performance provide a perfect sewing appearance with its regular structure and optimum hairiness level.



Product Properties

- Flame resistant up to 370°C.
- Tested and certified according to EN ISO 15025 and EN ISO 6941 non-flammability standards.
- Flame retardant property doesn't disappear even after washing.
- Superior sewing performance thanks to special finishing processes.
- Excellent resistance to flame, heat and electric sparks.

Fire Safe M-Aramid®

Areas of Use

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



Physical and Chemical Properties

- Soluble at 370°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.
- High resistance to lubricants and bleaches.
- Good abrasion resistance.
- Meta Aramid should not be exposed to UV rays.

Presentation

DURAK Fire Safe M-aramid offers a wide range of colors in a variety of meters size and thicknesses.

Storage Conditions

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

Color Fastness

Washing fastness at 60°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)
40	70	2200	20 - 29	100 - 120
70	50	1600	20 - 25	80 - 90
100	26	730	15 - 22	60 - 80

