

DURAK

FIRE SAFE®

MAKE YOUR LIFE
SAFER WITH
DURAK

PROVIDES PERFECT
PROTECTION WITH ITS
FLAME-RETARDANT FEATURE!

Durak Fire Safe® group threads, with their heat-resistant structure, provide the flame-retardant feature in the usage area you need. You can customize your work and meet life with confidence by using Fire-Safe M-Aramid® and Fire Safe P-Aramid®.

AREAS OF USE



Safety
Workwear



Filters



Safety
Footwear



Thermal
Insulation



Embroidery
Applications



Protective
Gloves



Firefighter
Apparel



Military
Protective
Clothing



EXPERIENCE
the new
with **DURAK**

DURAK

FIRE SAFE M-ARAMID®

Increase Your Sewing Performance with 100% Meta Aramid Threads!

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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 resistance up to 370°C. 26 Tex thickness is specially developed for embroidery applications requiring flame retardant.

PRODUCT PROPERTIES

Flame resistance 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

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

COLOR FASTNESS

Washing fastness at 60°C	ISO 105 C06	Min 3
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Friction fastness	ISO 105 X12	Min 3
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DURAK

FIRE SAFE P-ARAMID®

Make Safer Products with 100% Para Aramid Sewing Thread!

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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 resistance up to 500°C.

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



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

COLOR FASTNESS



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



THICKNESS AND STRENGTH CHART



DURAK FIRE SAFE M-ARAMID®

TICKET NO	NOMINAL TEX	STRENGTH CN	ELONGATION %	NEEDLE SIZE (NM)
40	70	2200	20-29	100-120
70	40	1600	20-25	80-90
100	26	730	15-22	140-160

DURAK FIRE SAFE P-ARAMID®

TICKET NO	NOMINAL TEX	STRENGTH CN	ELONGATION %	NEEDLE SIZE (NM)
11	270	16.500	16-30	160-280
15	175	10.650	16-32	140-160
20	135	9.050	16-30	140-160
30	80	5.700	16-30	130-140

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DURAK TEXTILE (HEADQUARTERS)

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