

# Technical Textiles

## PROTECT® ARAMID III-A WOVEN FABRIC

### Product Description

Protect® aramid III-A is a registered brand of Technical Textiles®. Garments made by Protect® aramid III-A fabric, provide inherently heat and flame resistance along with excellent durability --- wash after wash. Unlike chemically treated fabrics, protection provided by Protect® is built into the fabric, so the inherent thermal protection properties can never be washed out or worn away.

### Features

- High protection from heat and flame.
- Permanent flame resistance.
- Self-extinguishing, does not melt or drip.
- Low heat conductivity.
- High tenacity, low weight.
- Low abrasion and high strength.
- Excellent chemical resistance.
- Anti-static.



### Material

Protect® aramid III-A woven fabric (93% Meta aramid, 5% Para aramid, 2% Anti-static fiber)

### Fabric Width

60inch ± 1

### Fabric Weave

1/1 plain, 3/1 twill

### Fabric weight

4.5oz, 6.5oz, 7.5oz

### Color

Sage green, R.Blue, Navy blue, Yellow, Red, Orange, Black, D.Tan,

### Applications

- Personal protective clothes.
- Oil/Gas work uniform.
- Racing wear.
- Firefighter suits.
- Tank suits.
- Flying suite.
- Lab Jackets.
- Electric Arc garments.

For metal industry, petrochemical industry, armed forces, police force, fire force, fire brigades, and utility worker. To offer the extra protection against the multiple risks of fire, heat, chemical & electric charges.

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## Certified

### EN ISO 11612 : 2008

Included following tests

Heat resistance	ISO 17493 (180°C)
Flame spread – Face (A1)	ISO 15025: 2000 (A)
Flame spread – Edge (A2)	ISO 15025: 2000 (B)
Dimensional change	ISO 5077: 2007
Tensile strength (woven fabrics)	ISO 13934-1: 1999
Tear strength (woven fabrics)	ISO 13937-2: 2000
PH – value	ISO 3071: 2005
Convective heat (B)	ISO 9151: 1995
Radiant heat (C)	ISO 6942 (20kW/m <sup>2</sup> )

## Benefits

Protection against heat and flame, electric arc & static electricity.

## Care

- Wash garments of Protect® aramid III-A separately from other fabrics/garments.
- Machine wash. Hot water (60 C)
- Tumble dry low (160 F/71 C)
- Do not use chlorine bleach nor detergents containing chlorine bleach.
- Press with an adapted low pressure, or for a short period of time dehydration.
- Use proper washing water which is free from dyes/iron/manganese.
- At the end of washing program, rinse out to achieve a pH-value of 5.5 to 6.
- When using commercial laundry aids, be sure to read and carefully follow the manufacturer's instructions.
- Do not line dry in sunlight.

## Packing

Fabric will be rolled on tube.

Every roll will be packed in polythene bag.



Made in Pakistan  
By Technical Textiles®

TT/SB/01 rev 01