

 INSTITUTE OF TECHNICAL TEXTILES Pvt. Ltd. presents

Industry Short Course for Skill Development



INTRODUCTION TO TECHNICAL TEXTILES – PROTECTIVE TEXTILES

Agenda

Introduction to high performance fibres (properties & areas of application)

Introduction to high performance fibres (properties & areas of application):

Para-aramid, Meta-aramid, Modacrylic, FR viscose, Pre-oxidized acrylic, PBO, PBI, Stainless steel fibres & filaments, Antistatic fibres & filaments, E-glass & Basalt filaments

Product development in technical textiles:

Technical yarns (properties & areas of application):

Ring & open-end yarns, Composite yarns & Single and multiple plied yarns

Technical fabrics (properties & areas of application):

Woven fabrics, Knitted fabrics (warp & weft knitting), Nonwoven fabrics, Dyeing & finishing of technical fibres (aramid, modacrylic, FR viscose, nylon, and blends)



PARA ARAMID

1.5D*51MM

3



Fib Polysketi

Para Aramid
Yellow

HPPE



META ARAMID WHITE
NON DYEABLE
1.5D*51 MM
12

Agenda

Protection against mechanical (EN 388), thermal (EN 407) and electrostatic hazards (EN 1149)

Mechanical Hazards

Abrasion resistance (Martindale & Taber)

Cut-resistance (TDM & CPP)

Cut-resistance (Slash, impact cut & handheld chainsaw)

Tear resistance

Puncture resistance (probe, needle, Stab – knife & spike)

Impact resistance

Thermal Hazards

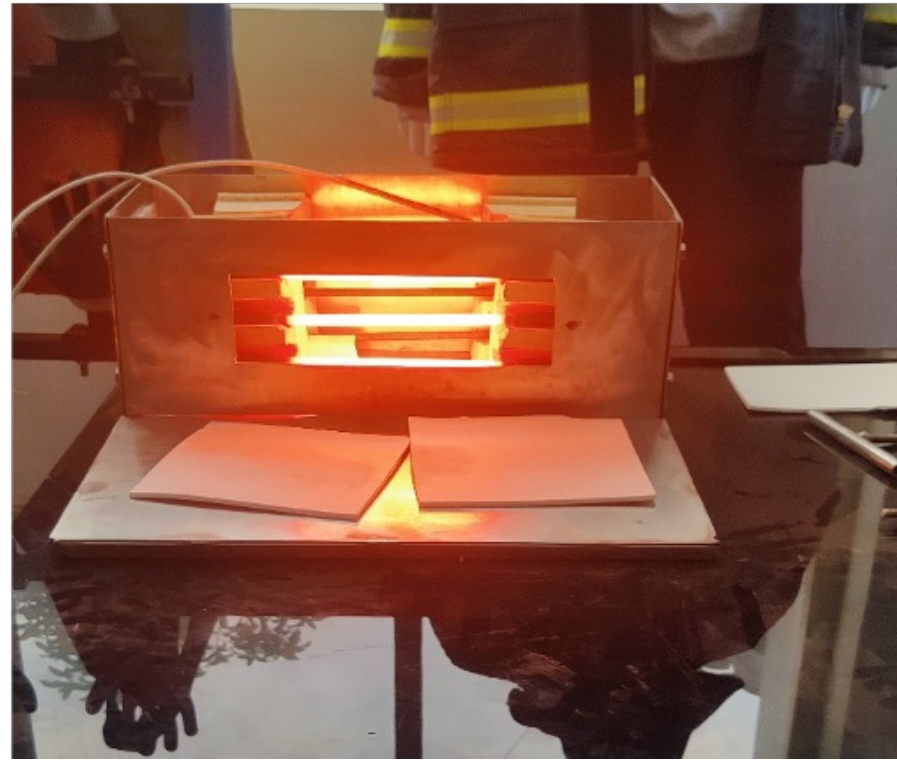
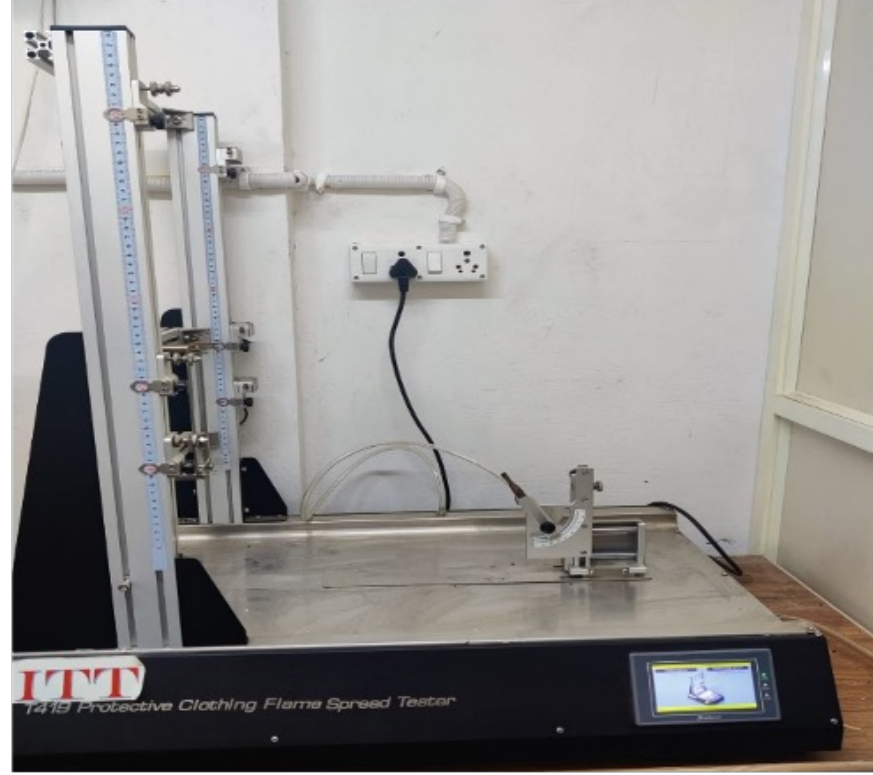
Flammability

Limited Oxygen Index test

Contact heat transmission

Convective heat transmission

Radiant heat transmission



Fees

Full course (2 days)
2 days @ INR 5000/- + GST
Only 25 seats available on first
cum, first serve basis.

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