Aramid 150

FR Shirt | FR Coverall

HAQUM FR | Built from a lightweight 150 gsm (4.5 oz) aramid blend, it delivers permanent flame resistance woven into the fiber itself — protection that never washes out or diminishes with wear.

TECHNICAL CHARACTERISTICS

Composition	93% Meta-Aramid, 05% Para-Aramid, 02% Antistatic
Construction	Woven
Weight	150 GSM (4.5 oz/yd²)
Flame Resistance	Inherent – Permanent (does not wash out)

Parameters	Test Procedure	Result
Finish	Applied to fabric	Normal
Heat Resistance at 180 °C	ISO 17493:2000	No ignition or melting
Heat Shrinkage at 180 °C	ISO 17493:2000	0.8% (mean)
Limited Flame Spread (code A1)	EN ISO 15025:2000, Procedure A	Pass – as received & pre-treated
Afterflame / Afterglow	EN ISO 15025:2000, Procedure A	None / None
Hole Formation / Molten Debris	EN ISO 15025:2000, Procedure A	None / None
Dimensional Change (Warp / Weft)	ISO 5077:2007	-1.0% / -0.5%
Tensile Strength (Warp / Weft)	ISO 13934-1:2013	590 N / 970 N
Tear Strength (Warp / Weft)	ISO 13937-2:2000	39 N / 35 N

Standards	Parameters	Result
EN ISO 11612 Code A1	Protective Clothing – Clothing to Protect Against Heat and Flame (Limited Flame Spread, Heat Resistance)	Pass A1 – Limited Flame Spread
EN 1149-5 Electrostatic Properties	Protective Clothing – Electrostatic Properties: Material Performance and Design Requirements	Supplier Declared 02% Antistatic Fibre
NFPA 2112 2023 Edition	Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (Flash Fire)	Compliant See UL Certification
UL Third-Party Certification	UL Recognized Component – Flame-Resistant Clothing Component Evaluated to NFPA 2112 (2018 & 2023 Editions)	UL Certified Cert. No. MH48197

Care Instructions	Instruction	Limit
Washing	Normal cycle	60 °C
Bleaching	Do not bleach	–
Drying	Tumble dry, low heat	Low heat
Ironing	Iron without steam	Max. 100 °C

Test & Certification References

1. **Supplier Technical Data Sheet – Physical Properties** (French Terrain Woven Fabric Company, ISO 9001:2008 certified), 93% Meta-Aramid / 5% Para-Aramid / 2% Antistatic, 150 GSM, tested against EN ISO 11612 requirements: ISO 17493:2000 at 180 °C, EN ISO 15025:2000 Procedure A (as received and pre-treated), ISO 5077:2007, ISO 13934-1:2013 and ISO 13937-2:2000.
2. **UL Certificate of Compliance MH48197** (07 Aug 2023, Report Ref. MH48197-20180308), issued by UL LLC to Arvind Ltd – Advanced Materials Div, component certification to NFPA 2112, 2018 and 2023 Editions. Certified products are listed on pages 2 & 3 of the certificate; see UL Product iQ for current status.