HQFR-HJ350

FR Hoodie Jacket
Fabric: Moda Shield Fleece 350 | HAQUM FR

TECHNICAL CHARACTERISTICS

Composition	40% Cotton, 35% Modacrylic, 15% FR Viscose, 08% Para-Aramid, 02% Antistatic
Construction	Single-Sided Fleece
Weight	350 GSM (10.3 oz/yd²)

Parameters	Test Procedure	Result
Finish	Applied to fabric	Moisture Wicking & Antimicrobial
Arc Rating (ATPV)	ASTM F1959/F1959M-14e1	25 cal/cm²
Heat Attenuation Factor (HAF)	ASTM F1959/F1959M-14e1	91%
Afterflame (arc exposure)	ASTM F1959/F1959M-14e1	None observed
Predicted Total Body Burn	NFPA 2112:2023 §8.5 / ASTM F1930-18	6.83% (avg. of 3)
Predicted 2nd / 3rd Degree Burn	3 s flash fire, 2.0 cal/cm²·s	0.27% / 6.56%
Afterflame / Break-open (flash fire)	NFPA 2112:2023 §8.5	None / None
Shrinkage / Smoke (flash fire)	NFPA 2112:2023 §8.5	Minor / Medium

Standards	Parameters	Result
NFPA 2112 2023 Edition	Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (Flash Fire)	UL Certified Cert. No. MH48197
NFPA 70E ASTM F1959	Protection for Electrical Safety – Arc Rating of Materials (ATPV)	25 cal/cm²

Test & Certification References

1. **UL Certificate of Compliance MH48197** (07 Aug 2023), issued by UL LLC to Arvind Ltd – Moda Shield Fleece 350 (10.3 oz/yd², single-sided fleece, moisture wicking & antimicrobial) certified to NFPA 2112, 2023 Edition.
2. **NCSU T-PACC Report 2023-0329** (29 Mar 2023, UL Project 4790579461), PyroMan™ flash fire test per NFPA 2112-2023 §8.5 and ASTM F1930-18; coveralls in Navy, 1 wash, 3 replicates, 3 s exposure at 2.0 cal/cm²·s. The test lab reports data only and does not declare pass/fail.
3. **Kinectrics Report K-352144-1904P21-R00** (06 Apr 2019), ASTM F1959/F1959M-14e1: ATPV 25 cal/cm², HAF 91%, 8 kA, 30 cm arc gap, 24 samples; tested on Orange fabric (11.2 oz/yd² as tested). The arc test does not apply to electrical contact or shock hazards.