



TORAY

Innovation by Chemistry

Fabric Specification

ThermGuard™ High Visibility

Quality: **FFM 9645** Product: **ThermGuard™ High Visibility**

Description: FR Polyester / Meta-Aramid Quilt

Composition: 57% Aramid, 42% Polyester, 1% Anti-stat

Yield: 290 g / m² (± 5%)

Useable Width: 150 cm

Picks: 50 per cm

Ends: 53 per cm

	Test Method	Length	Width
Dimensional Stability, Strength & Charge Decay			
Washing 60°C	ISO 6330:2001 (5 cycles + 1 dry)	< 2 %	< 2 %
Pilling 36,000 revs.	ISO 12945-1:2001	Grade: 4/5	Grade: 4/5
Tear Strength	ISO 13937-2:2000	> 45 N.	> 50 N
Tensile Strength	ISO 13934-1:1999	> 1300 N.	> 1450 N
Abrasion (12 kPa)	ISO 12947-2:1999	> 20,000 revs.	
Charge Decay	EN 1149-3:2004	Shielding factor: 0.66 t ₅₀ < 0.01 sec.	
ISO 11612:2008 - Protective Clothing - Heat & Flame Properties			
Heat Resistance	ISO 17493:2000 at 180°C	PASS - maximum shrinkage 1%	
Flame Spread	ISO 15025:2000	PASS - category A1 - Face Ignition PASS - category A2 - Edge Ignition	
Convective Heat	ISO 9151:1995	PASS - grade B1 , HTI ₂₄ = 6.5 sec.	
Radiant Heat	ISO 6942:2002 method 'B'	PASS - grade C1 , RHTI ₂₄ = 19.5 sec.	
ISO 11611:2007 - Protective Clothing for Welding .. Heat, Flame & Spatter			Class 1
ISO 14116:2008 - Protective Clothing - Heat & Flame Properties .. Category:			3/5I/60
EN 13034:2009 - Protective Clothing against Liquid Chemicals (Type 6)			Level 3[§]
EN 15614:2007 - Protective Clothing for Wildland Firefighting			Class A1
Arc Ratings	Open Arc: EN 61482-1-1:2009 'Box' method: EN 61482-1-2:2007	ATPV = 8.5 Cal/cm ² Class 1	HAF = 70%
ISO 13506:2008 - Prediction of burn injury	84 kW/m ² , 2 cal/cm ² /sec, 4 sec exposure After 60 sec: Pain 24%, 1 st deg: 1.8%, 2 nd deg: 5.3%, 3 rd deg: 1.8%		
High Visibility Colours to - EN 471:2003 GO/RT 3279:2008 EN 1150:1999			

§ Q 2238 with chemical resistant finish.

Care Recommendations ~



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