'TORAY' Innovation by Chemistry

Fabric Specification

ThermGuard™ High Visibility

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

Description: FR Polyester / Meta-Aramid Quilt

Composition: 58% Aramid, 42% Polyester

Yield: 280 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.	
Impact of Spatter	ISO 9150:1988	PASS - Class **2**, No ignition, 29 drops	
ISO 11611:2007 - Protective Clothing for Welding .. Heat, Flame & Spatter			**Class 2**
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/cm² HAF = 70% Class **1**	
ISO 13506:2008 - Prediction of burn injury	84 kW/m², 2 cal/cm²/sec, 4 sec exposure After 60 sec: Pain 24%, 1st deg: 1.8%, 2nd deg: 5.3%, 3rd 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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