

19 FEB 2024			ARCFLASH PANTS		
TEST METHODS & STANDARDS			BENCHMARKS	COMPLIANCE	
  			Protection Rating STANDARD IEC 61482-1-1:2019 AS NZS 4836:2023 STANDARD NENS 09 - 2014 STANDARD NFPA 70E:2024	HRC2/PPE2	EXCEEDS
  			ATPV Rating STANDARD ASTM F1959/F1959M AS NZS 4836:2023 STANDARD NENS 09 - 2014 STANDARD NFPA 70E:2024	8+ Cal/cm²	EXCEEDS
			Heat resistance ISO 11612:2015 STANDARD ASTM_F2894:2014	NO LAYER CAN IGNITE OR MELT	MEETS
			Limited Flame Spread ISO 11611:2015 Performance levels A1 & A2 STANDARD ISO 15025:2016 (METHOD A)	NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
			Limited Flame Spread EN ISO 11612:2015 Performance levels A1 & A2 STANDARD ISO 15025:2016 (METHOD B)	NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
			Heat Transmission on Exposure to Flames ISO 11612:2015 Performance level B1 STANDARD ISO 9151:2016	RANGE OF HTI* 24 VALUES MIN > 4 MAX < 10	MEETS
			Contact heat ISO 11612:2015 Performance level F1 STANDARD ISO 12127-1:2015	THRESHOLD TIME (s) MIN > 5 MAX < 10	MEETS
			Small Molten Metal Splash ISO 11611:2015 Class 1 STANDARD ISO 9150:1988	MINIMUM 15 DROPS	MEETS
			Charge Decay EN 1149-5:2018 STANDARD ISO 1149-3:2004 (Method 2, Induction charging)	$t_{so} < 4s$ & $S > 0.2$	MEETS
			Vertical Resistance EN 11611:2015 STANDARD ISO 1149-2:1997	$10^5 \Omega$	MEETS
			Radiant Heat ISO 11611:2015 Performance level CLASS 1 STANDARD ISO 6942:2002, METHOD B	24s RHTI $\geq 7s$	MEETS
			Radiant Heat ISO 11612:2015 Performance level C1 STANDARD ISO 6942:2002, METHOD B	24s RHTI MIN > 7 MAX < 20	MEETS
			NFPA 2112 COMPLIANT	Standard on Protective Clothing for Protection of Industrial Personnel Against Flash Fire, 2012 Edition	MEETS

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Weight	240gsm +/- 5%	M
Fibres	FR INHERENT BLENDS	N/A
Weave	RIPSTOP	N/A
Shrinkage after wash & dry STANDARD ISO 5077:2008	+/-3% BOTH DIRECTIONS	EXCEEDS <
Tear Strength Requirement as ISO 11611:2015 STANDARD ISO 13937.2:2000	≥ 15N BOTH DIRECTIONS	EXCEEDS >
Breaking Strength Requirement as ISO 11611:2015 STANDARD ISO 13934-1:2013	WARP ≥400N WEFT ≥400N	EXCEEDS >
Colour Fastness to Rubbing STANDARD ISO 105 x12:2016	DRY 4 WET 3-4	EXCEEDS
Colour Fastness to Washing AS 2001.4.15-2006 TEST M3 40°C	4	MEETS
Colour Fastness to Light AS 2001.4.B02	4	MEETS
Colour Fastness to Water AS 2001.4.8	4	EXCEEDS
Colour Fastness to Perspiration AS 2001.4.E04:2005	ACID 4 ALKALINE 4	EXCEEDS
ABRASION RESISTANCE STANDARD ISO 1297-2:1998	≥25000 RUBS	EXCEEDS >
PILLING ISO12945-2:2000 Part 2: Modified Martindale method.	AFTER 2000 RUBS ≥ 4	MEETS
AS NZS 4399-2020 Sun protective clothing	≥UPF 50+	MEETS