

ARC PROTECT + FR



IDEAL FOR

- Electric Power Industry workers.
- Full head protection from thermal risks derived from an electrical arc flash, as well as from heat, flames, and other thermal hazards.
- With HeiQ Smart Temp cooling technology for a better comfort and reduction of heat exhaustion, fatigue and heat stroke risks.

CERTIFICATIONS



MEETS REQUIREMENTS OF PERFORMANCE SPECIFICATIONS OF NFPA 2112/12 AND NFPA 70E

EN ISO 11612:2015



A1, B1, C1, F1

PROTECTION AGAINST HEAT AND FLAME				
EN ISO 11612:2015, Protective Clothing, Clothing to protect against heat and flame				
	Limited Flame Spread	Convective Heat	Radiant Heat	Contact Heat
Performance Levels	A1	B1	C1	F1

EN 1149-5:2018



PROTECTION AGAINST STATIC ELECTRICITY	
EN 1149-5:2018, Protective clothing - Electrostatic properties	
Performance Levels	Pass

This CAT III PPE is intended to protect the wearer from electric arc-related thermal hazards Tested according to the following standards.



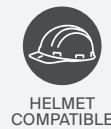
Test standards:	
Box Test* According to EN 61482-1-2:14	4 kA
Panel Test** According to IEC 61482-1-1:19	ATPV = 16 cal/cm ²
	ELIM = 12 cal/cm ²
Arc Rating (ATPV)** According to ASTM F1959/1959M-14e1	21 cal/cm ²

CLASS 1	CLASS 2
4 kA	7 kA

*Protection range based on EN 61482-2:2020

*Test performed on fabric and garment/**Test performed only on fabric

KEY FEATURES



DIMENSIONS



FABRICS COMPOSITION

- 44% M-Aramid.
- 42% FR Viscose.
- 6% Tencel.
- 3% P-Aramid.
- 3% Antistatic Fiber.
- 2% Elastane.

PACKAGING



WASHING MAINTENANCE SYMBOLS



Mass per unit area: EN 12127:1997	399 g/m ²	± 5 %
Air Permeability EN ISO 9237:1995	100,75 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,0283 m ² K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	6,33 m ² Pa/W	± 10 %
Bursting resistance: EN ISO 13938-1:2019	233,74 kPa	± 10 %
Determination of dimensional change in domestic washing and drying:		
EN ISO 5077:2008	LENGTHWISE < ±3%	CROSSWISE < ±3%
	Washing procedure 4N (Ta=40 ±3°C) according to ISO 6330:2012	
Resistance to pilling: ISO 12945-2:2000	3 - 4	2000 CYCLES
	Scale from 1 to 5 in which 1 is "Very severe pilling" and 5 is "No pilling".	
Determination of the abrasion resistance of fabrics:		
EN ISO 12947-2:2016	Testing pressure: 9 kPa	>100.000 CYCLES Until the first yarn broken
Fastness rates:		
Colour fastness to domestic and commercial laundering: EN ISO 105-C06:2010		4 - 5 *
Colour fastness to perspiration (Alkaline & Acid): EN ISO 105-E04:2013	ALKALINE	4 - 5 *
	ACID	4 - 5 *
Colour fastness to rubbing (Dry & Wet): EN ISO 105-X12:2016	DRY	4 - 5 *
	WET	4 - 5 *
Colour fastness to sea water: EN ISO 105-E02:2013		4 - 5 *
Colour fastness to artificial light: EN ISO 105-B02:2014 Método 2		7**
* Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".		
** Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent"		