

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, B2, 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	B2	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	Class 2
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

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

KEY FEATURES



FIRE RESISTANT



ANTISTATIC



MOISTURE MANAGEMENT



ARC FLASH RATED



COMFORT FIT FACE OPENING



HELMET COMPATIBLE



QUICK DRY



COOLING EFFECT

HEIQ SMART TEMP

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"		