ARC PROTECT + FR

IDEAL FOR

· Electrical Industry workers.
· 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

CE 2865 CAT III

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/cm²
	ELIM = 12 cal/cm²
Arc Rating (ATPV)** According to ASTM F1959/1959M-14e1	21 cal/cm²

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

KEY FEATURES

FIRE RESISTANT · ANTISTATIC · MOISTURE MANAGEMENT · SEAMLESS · ARC FLASH RATED · QUICK DRY · MULTIFUNCTIONAL · 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

FABRIC TEST:

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 ±3ºC) 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 artifical light rates in a scale from 1 to 8 in which 1 is “Very poor” and 8 is “Excelent”