CUT + FIRE RESISTANT LIGHT

IDEAL FOR

· Police, military personnel, private security or even different industrial workers requiring cut protection from sharp objects on the neck area.
· Made from two layers of Nomex® light fabric, with fire resistant and antistatic properties, with cut resistant Dyneema® fabric in the lower intermediate part.
· Two-way stretch fabric for greater comfort.

CERTIFICATIONS

CE CAT II
EN ISO 13688/13

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

Test standards:	
Protection against mechanical risk (Cutting) According to EN 388:2016+A1:2018	LEVEL E

The Dyneema® layer of fabric was tested according with standard EN ISO 13997:1999, Determination of resistance to cutting by sharp objects.

KEY FEATURES

CUT RESISTANT · FIRE RESISTANT · ANTISTATIC · MOISTURE MANAGEMENT · STRETCH FABRIC · LIGHTWEIGHT

DIMENSIONS

FABRICS COMPOSITION

Main Fabric:
88% Meta-Aramide Nomex®
5% Para-Aramide Kevlar®
4% Antistatic Carbon Fiber
3% Elastane
Inner Fabric:
45% Polyethylene Dyneema®
30% Glass Fiber + PTFE Coating
20% Polyamide
5% Elastane

Dyneema® DUPONT Nomex

PACKAGING

WASHING MAINTENANCE SYMBOLS

FABRIC TEST:

SAFETY

CUT + FIRE RESISTANT LIGHT (OUTER FABRIC)

Mass per unit area: EN 12127:1997	180 g/m^2	± 10 %
Air Permeability EN ISO 9237:1995	390 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,02 m^{2}K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	2,37 m^{2}Pa/W	± 10 %
Bursting resistance: EN ISO 13938-1:2019	230 kPa	± 10 %

Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008 — LENGTHWISE < ±5% — CROSSWISE < ±2%

Washing procedure 4N (Ta=40 ±3ºC) according to ISO 6330:2012

Resistance to pilling: ISO 12945-2:2000	3	7000 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	>100000 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	5 **	

* 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 “Excellent”

FABRIC TEST:

SAFETY

CUT + FIRE RESISTANT LIGHT (INNER FABRIC)

Mass per unit area: EN 12127:1997	430 g/m^2	± 5 %
Air Permeability EN ISO 9237:1995	75 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,04 m^{2}K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	7,77 m^{2}Pa/W	± 10 %
Bursting resistance: EN ISO 13938-1:2019	591 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	5	7000 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	>100000 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	8 **	

* 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 “Excellent”