

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



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
RESISTANTFIRE
RESISTANT

ANTISTATIC

MOISTURE
MANAGEMENTSTRETCH
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



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 ±3°C) 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”		

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 ±3°C) 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”		