

GENERAL DESCRIPTION

- Tubular with Fire-and static-resistant coverage thanks to two layers of Nomex®, plus cut-resistant protection from Dyneema® in the inner layer.
- Ideal for law enforcement, army, special forces, industrial workers and security services.
- Two-way stretch fabric for greater comfort.
- This PPE intended to protect the wearer's neck and/or head except the face (depending on the part covered by the PPE) has been manufactured by Original Buff S.A. taking into account the basic health and safety requirements set forth in Annex II of Regulation (EU) 2016/425 and is in compliance with the requirements of standard EN ISO 13688:2013 on Protective Clothing, General Requirements; against the mechanical risk of injury by cutting with sharp objects in compliance with Section 3.3 of Annex II of Regulation (EU) 2016/425; standard EN ISO 11612:2015 on Protective Clothing against Heat and Flame, with performance levels A1, B1, C1 and F1; and standard EN 1149-5:2018 on Protective clothing - Electrostatic properties.

CERTIFICATIONS

Test Standards:	
Heat Resistance:	
According to EN ISO 11612/15	Pass
Limited Flame Spread:	
According to EN ISO 11612/15	A1
Convective heat:	
According to EN ISO 11612/15	B1
Radiant heat:	
According to EN ISO 11612/15	C1
Contact heat:	
According to EN ISO 11612/15	F1
Antistatic:	
According to EN 1149-5/18	Pass
Resistance to cutting by sharp objects	
According EN 388/16 Point 6.3	Level D



KEY FEATURES



ANTI-CUT



MOISTURE MANAGEMENT



FIRE RESISTANT



ANTISTATIC

DIMENSIONS



FABRICS

DuPont™
Nomex®



FABRIC COMPOSITION

Material:	
M-ARAMID NOMEX	64%
DYNEEMA®	12%
GLASS FIBER + PTFE	8%
POLYAMIDE	5%
P-ARAMID KEVLAR®	4%
CARBON FIBER P-140	4%
ELASTANE	3%

Structure:
Single jersey

PACKAGING



WASHING MAINTENANCE SYMBOLS



FABRIC TESTS

Properties:

**DuPont™
Nomex®**

Fabric composition: 87% M-ARAMID NOMEX®
5% P-ARAMID KEVLAR®
4% ELASTANE
4% CARBON FIBER P-140

Mass per unit area:

UNE-EN 12127:1998

227 g/m² ±5%

Air permeability:

UNE-EN ISO 9237:1996

1271 mm/s ±10%

Thermal Resistance (RCT):

ISO 11092: 2015

0,0266 m² K/W ±10%

Water Vapour Resistance (RET):

ISO 11092: 2015

4,18 m² Pa/W ±10%

Bursting strength:

ISO 13938-2:2000

204 K Pa ±10%

Bursting distension:

ISO 13938-1:2000

60,5 mm

Determination of dimensional change in domestic washing and drying:

UNE-EN ISO 5077:2008

Washing procedure 4M (Ta=40 ±3°C) according to ISO 6330:2012

Lengthwise ≤ 3% Crosswise ≤ 7%

Resistance to Pilling:

UNE-EN ISO12945-2:2001

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:

UNE-EN ISO 12947-2:1999/AC:2006

Testing pressure: 9kPa

>100.000

Until the first yarn broken

Fastness rates:

Colour fastness to domestic and commercial laundering

UNE-EN ISO 105-C06:2010

4-5

Colour fastness to perspiration (Alkaline & Acid):

UNE-EN ISO 105-E04:2013

4-5

Colour fastness to rubbing (Dry & Wet)

UNE-EN ISO 105-X12:2016

4-5

Colour fastness to sea water

UNE-EN ISO 105-E02:2013

4-5

(Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".)

Colour fastness to artificial light

UNE-EN ISO 105-B02:2013 method 2

5-6

(Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent".)

FABRIC TESTS PARTE INFERIOR (3 CAPAS TEJIDO TUBULAR NOMEX® + ANTICORTE + NOMEX®)

Mass per unit area:

UNE-EN 12127:1997

906 g/m² ±5%

Air permeability:

EN ISO 9237:1995

43 mm/s ±10%

Thermal Resistance (RCT):

EN-ISO 11092: 2014

0,1102 m² K/W ±10%

Water Vapour Resistance (RET):

EN ISO 11092: 2014

2748 m² Pa/W ±10%

Bursting strength:

ISO 13938-2:2000

204 K Pa ±10%

Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008

Washing procedure 4M (Ta=40 ±3°C) according to ISO 6330:2012

Lengthwise ≤ 5%

Crosswise ≤ 5%