DATA SHEET | FIRE RESISTANT MULTIFUNCTIONAL HEADWEAR

GENERAL DESCRIPTION

- Multifunctional tubular made of DuPont™ Nomex® and elastane.
- Ideal for workers who require protection from heat, flames, thermal hazards and other potentially explosive substances.
- Suitable for workers in the chemical, oil & gas, police, and military sectors.
- Offers extra comfort with high-quality fabric protection.
- This CAT II 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; standard ISO 11612:2015 on Protective Clothing to Protect against Heat and Flame, with performance levels A1, B1, C1 and F1; and standard EN 1149-5:2018 Protective clothing - Electrostatic properties.

CERTIFICATIONS

Test Standars:	
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

*Tested on fabric.

CE CAT II EN ISO 13688/13

EN ISO 11612/15

A1, B1, C1, X, X, F1

EN 1149-5/18

KEY FEATURES

FIRE RESISTANT

ANTISTATIC

DRIES QUICKLY

MOISTURE MANAGEMENT

100% SEAMLESS

MULTIFUNCTIONAL

DIMENSIONS

FABRIC

DuPont™ Nomex®

FABRIC COMPOSITION

Material:	
M-ARAMID NOMEX®	87%
P-ARAMID KEVLAR®	5%
ELASTANE	4%
CARBON FIBER P-140	4%
Structure:	
Single jersey	

PACKAGING

WASHING MAINTENANCE SYMBOLS

FABRIC TESTS (1 LAYER)

Properties: DuPont™ Nomex®

Mass per unit area:
UNE-EN 12127:1998 — 227 g/m² ±5%

Air permeability:
UNE-EN ISO 9237:1996 — 127,20 mm/s ±10%

Thermal Resistance (RCT):
ISO 11092: 2014 — 0,0266 m²K/W ±10%

Water Vapour Resistance (RET):
ISO 11092: 2014 — 4,18 m²Pa/W ±10%

Bursting strength:
UNE-EN ISO 13938-1:2000 — 190 kPa ±10%

Bursting distension:
UNE-EN ISO 13938-1:2000 — 68,3 mm

Determination of breaking Strength and elongation:
UNE-EN ISO 13934-1:2013

	Average Load (N)	Average Elongation (%)
Lengthwise	280 ±10%	174 ±10%
Crosswise	260 ±10%	281 ±10%

Determination of dimensional change in domestic washing and drying:
UNE-EN ISO 5077:2008 + ERRATUM:2008
Washing procedure 4N (Ta=40 ±3ºC) according to ISO 6330:2012
Lengthwise ≤ 7% Crosswise ≤ 3%

Resistance to pilling:
UNE-EN ISO 12945-2:2001 — 4 - 2.000 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 — >100000 cycles
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-X12:2003 — 4-5

Colour fastness to sea water
UNE-EN ISO 105-E02:1996 — 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 artifical light rates in a scale from 1 to 8 in which 1 is “Very poor” and 8 is “Excelent”.)

Snagging resistance:
Standard ASTM D 3939:2011

Lengthwise	4
Cross-wise	3-4