

GENERAL DESCRIPTION

- One - layer hat with fire resistant and anti-static performance.
- It can be worn under a helmet and cover the ears for greater safety.
- Greater comfort thanks to two-way stretch fabric and flatlock stitching.
- Ideal for workers in need of anti-static protection in explosive environments such as chemical-petrochemical companies.
- 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 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



KEY FEATURES



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®**

<u>Mass per unit area:</u> UNE-EN 12127:1998	227 g/m ² ±5%
<u>Air permeability:</u> UNE-EN ISO 9237:1996	127,20 mm/s ±10%
<u>Thermal Resistance (RCT):</u> ISO 11092: 2014	0,0266 m ² K/W ±10%
<u>Water Vapour Resistance (RET):</u> ISO 11092: 2014	4,18 m ² Pa/W ±10%
<u>Bursting strength:</u> ISO 13938-1:2000	204 kPa ±10%
<u>Bursting distension:</u> ISO 13938-1:2000	68,3 mm
<u>Determination of breaking Strength and elongation:</u> UNE-EN ISO 13934-1:2013	
Average Load (N)	Average Elongation (%)
Lengthwise 280 ±10%	Lengthwise 174 ±10%
Crosswise 260 ±10%	Crosswise 281 ±10%
<u>Determination of dimensional change in domestic washing and drying:</u> UNE-EN ISO 5077:2008 + ERRATUM:2008	
Washing procedure 4N (Ta=40 ±3°C) according to ISO 6330:2012	
Lengthwise ≤ 7%	Crosswise ≤ 3%
<u>Resistance to pilling:</u> UNE-EN ISO12945-2:2001	4 - 2.000 cycles
Scale from 1 to 5 in which 1 is "Very severe pilling" and 5 is "No pilling".	
<u>Determination of the abrasion resistance of fabrics:</u> UNE-EN ISO 12947-2:1999/AC:2006	
Testing pressure: 9kPa	>100000 cycles
	Until the first yarn broken
<u>Fastness rates:</u>	
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 (Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".)	4-5
Colour fastness to artificial light UNE-EN ISO 105-B02:2013 method 2 (Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent".)	5-6
<u>Snagging resistance:</u> Standard ASTM D 3939:2011	
Lengthwise	4
Cross-wise	3-4