

DATA SHEET: FIRE RESISTANT BUFF®

GENERAL DESCRIPTION

- Multifunctional tubular made of DuPont™ Nomex® and elastomer for greater comfort.
- Ideal product for chemical, petrochemical and other industries workers. It is also suitable for police officers, military personnel, fire fighters and all the workers who require protection from heat, flames, thermal hazards and potentially explosive substances, in variable weather conditions
- Product resistant to fire and antistatic, certified as Personal Protective Equipment under the standards ISO 13688:13 (EN-340), EN ISO 11612:08 and EN1149-5/08.
- Product certified according to the UNE-EN 15614 Wildland Firefighting clothing standard.

CERTIFICATIONS

<u>Test Standards:</u>	
<u>Heat Resistance:</u>	
According to EN ISO 11612:2008	Pass
<u>Limited Flame Spread:</u>	
According to EN ISO 11612:2008	A1
<u>Convective heat:</u>	
According to EN ISO 11612:2008	B1
<u>Radiant heat:</u>	
According to EN ISO 11612:2008	C1
<u>Antistatic:</u>	
According to EN 1149-3: 2004	Pass



KEY FEATURES



FR



MOISTURE
MANAGEMENT



DRIES
QUICKLY



MULTIFUNCTIONAL

DIMENSIONS

24,5 cm



54 cm

DuPont™
Nomex®

DuPont™ and Nomex® are Trademarks or registered Trademarks of E.I. du Pont de Nemours and Company used under license to Original Buff S.A.

FABRIC COMPOSITION

<u>Material:</u>	
M-ARAMID NOMEX®	87%
P-ARAMID KEVLAR®	5%
ELASTAN	4%
CARBON FIBER P-140	4%

Structure:
Single jersey

PACKAGING



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 strenght:</u> ISO 13938-1:2000	204 kPa
<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 3M (Ta=40 ±3°C) according to ISO 6330:2012	
Lengthwise ≤ 7%	Crosswise ≤ 3%
<u>Resistance to pilling (martindale, 2000 cycles):</u> UNE-EN ISO12945-2:2001	3-4
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	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".)	