

## GENERAL DESCRIPTION

- BalACLAVA made of aramid fibers, fire-resistant viscose fibres and elastomer.
- Ideal for workers in the electrical industry.
- Offers protection from thermal risks derived from an electrical arc flash, as well as from heat, flames and other thermal hazards.
- 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 on protective clothing - Electrostatic properties and against the Risk of an Electric Arc for the purpose of compliance with Section 3.6.1 of Annex II of Regulation (EU) 2016/425. This fabric is in compliance with standard UNE-EN 61482-1-1:2010 on Live Working. Protective Clothing against the Thermal Hazards of an Electric Arc; and standard UNE-EN 61482-1-1:2015 on Live Working. Protective Clothing against the Thermal Hazards of an Electric Arc.

## CERTIFICATIONS

<b>Test Standards:</b>	
<b>Heat Resistance:</b>	
According to EN ISO 11612/15	Pass
<b>Limited Flame Spread:</b>	
According to EN ISO 11612/15	A1
<b>Convective heat:</b>	
According to EN ISO 11612/15	B1
<b>Radiant heat:</b>	
According to EN ISO 11612/15	C1
<b>Antistatic:</b>	
According to EN 1149-5/18	Pass
<b>Forest firefighters*:</b>	
According to EN 15614/07	Pass
<b>Welding processes:</b>	
According to EN 11611/15	Class1
<b>Electrical Arc:</b>	
According to Box test IEC 61482-2/15	Class 1
According to ATPV UNE-EN 61482-1-1:10	17,7 cal/cm <sup>2</sup>
According to ASTM F1506-15 and ASTM F1959 - HRC 2	21,3 cal/cm <sup>2</sup>

\*Tested on fabric.

CAT II  
EN ISO 13688/13

EN ISO 11612/15  
A1, B1, C1, X, X, X

EN 1149-5/18

EN ISO 11611/15

MEETS REQUIREMENTS OF PERFORMANCE SPECIFICATIONS OF NFPA 70E

PRODUCT TESTED ACCORDING TO ASTM F1506-15 AND ASTM F1959/F1959M-14 COMPLIANCE HRC 2. 21,3 CAL/CM<sup>2</sup>.

MEETS REQUIREMENTS OF PERFORMANCE SPECIFICATIONS OF NFPA 2112/12

61482-2:15:  
BOX TEST CLASS 1

61482-1-1:10  
PANEL TEST ATPV  
17,7 Cal/Cm<sup>2</sup>

## KEY FEATURES

**FIRE RESISTANT**

**ANTISTATIC**

**ARC FLASH**

**MOISTURE MANAGEMENT**

**DRIES QUICKLY**

## DIMENSIONS



## FABRIC

### FABRIC COMPOSITION

<b>Material:</b>	
M-ARAMID	44%
FR VISCOSE	42%
TENCELL	6%
P-ARAMID	3%
ANTISTATIC FIBER	3%
ELASTANE	2%
<b>Structure:</b>	
Single jersey	

## PACKAGING



## WASHING MAINTENANCE SYMBOLS



## FABRIC TESTS

### Properties:

Mass per unit area:  
UNE-EN 12127:1998 359 g/m<sup>2</sup> ±5%

Air permeability:  
UNE-EN ISO 9237:1996 121,74 mm/s ±10%

Thermal Resistance (RCT):  
ISO 11092: 2014 0,0343 m<sup>2</sup>K/W ±10%

Water Vapour Resistance (RET):  
ISO 11092: 2014 5,46 m<sup>2</sup>Pa/W ±10%

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

Average Load (N)	Average Elongation (%)
Lengthwise 370 ±10%	Lengthwise 169 ±10%
Crosswise 260 ±10%	Crosswise 340 ±10%

Bursting strength:  
UNE-EN ISO 13938-1:2000 252,2 KPa ±2,5%

Bursting distension:  
UNE-EN ISO 13938-1:2000 66,2 mm

Determination of dimensional change in domestic washing and drying:  
UNE-EN ISO 5077:2008 + ERRATUM:2008

Washing procedure 4N (Ta=40 ±3°C) according to ISO 6330:2012  
Lengthwise ≤ 5% Crosswise ≤ 10%

Resistance to pilling:  
UNE-EN ISO 12945-2:2001 3/4 - 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

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 6-7  
(Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent".)