

DATA SHEET: CROSS TECH BALACLAVA BUFF®

GENERAL DESCRIPTION

- Comfortable and windproof balaclava that combines a fleece layer, a Windstopper® fabric and a Thermo Fastwick fabric that offers an optimal protection to the entire head from cold and windy conditions and in extreme cold environments like vertical works or static tasks.
- Maintains body temperature in cold weather.
- Small laser perforations around the ear area and around the mouth, and a nose hole that allow to hearing and having easy breathing.
- Suitable for wearing under a helmet.
- Available in two sizes: S/M (53-57 cm) and L/XL (58-62 cm).

KEY FEATURES



DIMENSIONS

29 cm



46 cm

THERMO FASTWICK



POLAR FLEECE

FABRIC COMPOSITION

<u>Material:</u>	
POLYESTER	100%
<u>Structure:</u>	
Weft Knitting	

PACKAGING



Properties:

Mass per unit area:

UNE-EN 12127:1998

 309 g/m² ±5%

Air permeability:

UNE-EN ISO 9237:1996

2,29 mm/s ±10%

Thermal Resistance (RCT):

ISO 11092: 2014

 0,0567 m²K/W ±10%

Water Vapour Resistance (RET):

ISO 11092: 2014

 10,25 m²Pa/W ±10%

Determination of breaking Strength and elongation:

UNE-EN ISO 13934-1:2013

Average Load (N)

Lengthwise 760 ±10%

Crosswise 390 ±10%

Average Elongation (%)

Lengthwise 82 ±10%

Crosswise 173 ±10%

Determination of dimensional change in domestic washing and drying:

UNE-EN ISO 5077:2008 + ERRATUM:2008

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

Lengthwise ±3 %

Crosswise ≤3 %

Resistance to pilling (Cara externa) (martindale, 2000 cycles):

UNE-EN ISO12945-2:2001

5

Scale from 1 to 5 in which 1 is "Very severe pilling" and 5 is "No pilling".

Resistance to pilling (Cara interna) (martindale, 2000 cycles):

UNE-EN ISO12945-2:2001

4-5

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

5

Colour fastness to perspiration (Alkaline & Acid):

UNE-EN ISO 105-E04:2013

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

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

3-4

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

Properties: THERMO FASTWICK
Mass per unit area:

UNE-EN 12127:1998

 172 g/m² ±5%

Air permeability:

UNE-EN ISO 9237:1996

1175,35 mm/s ±10%

Thermal Resistance (RCT):

ISO 11092: 2014

 0,0267 m²K/W ±10%

Water Vapour Resistance (RET):

ISO 11092: 2014

 3,04 m²Pa/W ±10%

Determination of breaking Strength and elongation:

UNE-EN ISO 13934-1:2013

Average Load (N)

Lengthwise 650 ±10%

Crosswise 320 ±10%

Average Elongation (%)

Lengthwise 117 ±10%

Crosswise 185 ±10%

Determination of dimensional change in domestic washing and drying:

UNE-EN ISO 5077:2008 + ERRATUM:2008

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

Lengthwise ±3 %

Crosswise ±3%

Resistance to pilling (martindale, 2000 cycles):

UNE-EN ISO12945-2:2001

5

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

4-5

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

Properties: POLAR FLEECE
Mass per unit area:

UNE-EN 12127:1998

 220 g/m² ±5%

Air permeability:

UNE-EN ISO 9237:1996

1163,82 mm/s ±10%

Thermal Resistance (RCT):

ISO 11092: 2014

 0,0850 m²K/W ±10%

Water Vapour Resistance (RET):

ISO 11092: 2014

 8,38 m²Pa/W ±10%

Determination of breaking Strength and elongation:

UNE-EN ISO 13934-1:2013

Average Load (N)

Lengthwise 120 ±10%

Crosswise 78 ±10%

Average Elongation (%)

Lengthwise 80 ±10%

Crosswise 144 ±10%

Determination of dimensional change in domestic washing and drying:

UNE-EN ISO 5077:2008 + ERRATUM:2008

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

Lengthwise ±3 %

Crosswise ±3 %

Resistance to pilling (martindale, 2000 cycles):

UNE-EN ISO12945-2:2001

2-3

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

min. 42.500 cycles

Until the first yarn broken

Fastness rates:

Colour fastness to domestic and commercial laundering

UNE-EN ISO 105-C06:2010

5

Colour fastness to perspiration (Alkaline & Acid):

UNE-EN ISO 105-E04:2013

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

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

3-4

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