

# DATA SHEET: WINDPROOF BUFF®

## GENERAL DESCRIPTION

- Multifunctional tubular fabric made of Windstopper® and a double layer of Thermolite®.
- For workers who look for the best protection against wind and cold to help maintain body temperature.
- Perfect for static tasks in cold and windy weather and also for a motorbike use.
- Water repellent.
- Some designs incorporate two 3M Scotchlite™ retro-reflective stripes for enhanced visibility in poor light conditions.
- Product certified according to the EN ISO 13688/13 and UNE-EN 14058/04 standard, which classifies it as a PPE Thermal Resistance Class 1 product (UNE-EN 31092:1996/A1:2013) and also as belonging to Air Permeability Class 3 (UNE-EN ISO 9237:1996).
- Polygiene® treatment, that allows the fabric to remain cleaner for longer avoiding bacterial growth and stops odors.

## CERTIFICATIONS



CAT I  
EN ISO 13688/13



## KEY FEATURES



WINDPROOF



MULTIFUNCTIONAL



MOISTURE  
MANAGEMENT



POLYESTER  
MICROFIBER



WATER  
REPELENT



DRIES  
QUICKLY

## DIMENSIONS

26 cm



25 cm

37 cm

**THERMOLITE®**

**GORE®  
WINDSTOPPER®  
PRODUCTS**

## FABRIC COMPOSITION

Material:	
POLYESTER	100%
Structure:	
Weft Knitting	
Single jersey	

## PACKAGING




Properties:
**THERMOLITE**
Mass per unit area:

UNE-EN 12127:1998

149 g/m<sup>2</sup> ±5%

Air permeability:

UNE-EN ISO 9237:1996

1167,83 mm/s ±10%

Thermal Resistance (RCT):

ISO 11092: 2014

0,0168 m<sup>2</sup>K/W ±10%

Water Vapour Resistance (RET):

ISO 11092: 2014

2,6 m<sup>2</sup>Pa/W ±10%

Determination of breaking Strength and elongation:

UNE-EN ISO 13934-1:2013

## Average Load (N)

Lengthwise 420 ±10%

Crosswise 170 ±10%

## Average Elongation (%)

Lengthwise 89 ±10%

Crosswise 232 ±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 ≤5 %

Crosswise ≤5%

Resistance to pilling (martindale, 2000 cycles):

UNE-EN ISO12945-2:2001

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

32500 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 &amp; Acid):

UNE-EN ISO 105-E04:2013

4-5

Colour fastness to rubbing (Dry &amp; 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 "Excellent".)


**Properties:**


Mass per unit area:  
UNE-EN 12127:1998

264 g/m<sup>2</sup> ±5%

Air permeability:  
UNE-EN ISO 9237:1996

3,78 mm/s ±10%

Thermal Resistance (RCT):  
ISO 11092: 2014

0,0413 m<sup>2</sup>K/W ±10%

Water Vapour Resistance (RET):  
ISO 11092: 2014

5,92 m<sup>2</sup>Pa/W ±10%

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

Average Load (N)  
Lengthwise 730 ±10%  
Crosswise 340 ±10%

Average Elongation (%)  
Lengthwise 119 ±10%  
Crosswise 206 ±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

60000 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

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