DATA SHEET: **WINDPROOF NECKWARMER BUFF** ®

GENERAL DESCRIPTION

- Short and seamless tubular made of Thermolite® fabric sewn to an elastic and comfortable tube of Windstopper®.
- Adjustable drawstring that allows you to transform the piece from neck protector to cap.
- Workers who look for the best protection against wind and extreme cold maintaining body temperature.
- Perfect for high intensity tasks developed in cold and windy environments.
- Some designs incorporate two 3M ScotchliteTM retro-reflective stripes for enhanced visibility in poor light conditions.
- Polygiene® treatment, that allows the fabric to remain cleaner for longer avoiding bacterial growth and stops odors.

EN 14058

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1 3 X X X

KEY FEATURES

WINDPROOF   **MULTIFUNCTIONAL**   **ADJUSTABLE DRAWSTRING**

DIMENSIONS

25 cm

21 cm

10 cm

THERMOLITE®

GORE® WINDSTOPPER® PRODUCTS

FABRIC COMPOSITION

Material:
POLYESTER   100%
Structure:
Weft Knitting
Single jersey

PACKAGING

NECKWARMER WINDPROOF

FABRIC TESTS

Properties:

Mass per unit area:
UNE-EN 12127:1998   264 g/m² ±5%

Air permeability:
UNE-EN ISO 9237:1996   3,78 mm/s ±10%

Thermal Resistance (RCT):
ISO 11092: 2014   0,0413 m²K/W ±10%

Water Vapour Resistance (RET):
ISO 11092: 2014   5,92 m²Pa/W ±10%

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

Average Load (N)		Average Elongation (%)	
Lengthwise	730 ±10%	Lengthwise	119 ±10%
Crosswise	340 ±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 ±3ºC) 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   6

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

Properties: **THERMO**LITE

Mass per unit area:
UNE-EN 12127:1998   149 g/m² ±5%

Air permeability:
UNE-EN ISO 9237:1996   1167,83 mm/s ±10%

Thermal Resistance (RCT):
ISO 11092: 2014   0,0168 m²K/W ±10%

Water Vapour Resistance (RET):
ISO 11092: 2014   2,6 m²Pa/W ±10%

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

Average Load (N)		Average Elongation (%)
Lengthwise	420 ±10%	Lengthwise 89 ±10%
Crosswise	170 ±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 ±3ºC) 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 & 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 artifical light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent".)