

DATA SHEET: THERMAL BUFF®

GENERAL DESCRIPTION

- Seamless and multifunctional tubular made with Thermolite®, an excellent insulating fabric composed of hollow-core fibres.
- It enhances comfort in cold temperatures by wicking moisture away.
- Ideal product for wearing all year round, offering a higher protection against cold and variable weather, specially for moderate cold weather thanks to its Thermolite® fabric.
- Breathable fabric.
- Maintain body temperature.
- Some designs incorporate two 3M Scotchlite™ 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.

KEY FEATURES



DIMENSIONS



50 cm

THERMOLITE

FABRIC COMPOSITION

Material:	
POLYESTER	100%
Structure:	
Single jersey	

PACKAGING



Properties: **THERMOLITE**

<u>Mass per unit area:</u>		
UNE-EN 12127:1998		149 g/m ² ±5%
<u>Air permeability:</u>		
UNE-EN ISO 9237:1996		1167,83 mm/s ±10%
<u>Thermal Resistance (RCT):</u>		
ISO 11092: 2014		0,0168 m ² K/W ±10%
<u>Water Vapour Resistance (RET):</u>		
ISO 11092: 2014		2,6 m ² Pa/W ±10%
<u>Determination of breaking Strength and elongation:</u>		
UNE-EN ISO 13934-1:2013		
Average Load (N)		Average Elongation (%)
Lengthwise	420 ±10%	Lengthwise 89 ±10%
Crosswise	170 ±10%	Crosswise 232 ±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	±5 %	Crosswise ±5%
<u>Resistance to pilling (martindale, 2000 cycles):</u>		
UNE-EN ISO12945-2:2001		3
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		32500 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		4-5
(Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excellent".)		