

## GENERAL DESCRIPTION

- A seamless recycled microfiber tubular sewn to a Polartec® tubular fleece fabric.
- A versatile product to protect the user against the affects of cold environments to help maintain body temperature.
- Product certified according to EN ISO 13688/13 and the UNE-EN 14058/17 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 1 (UNE-EN ISO 9237:1996).
- Combats heat loss.
- Maintains body temperature in cold weather.
- Some designs incorporate two 3M Scotchlite™ retro-reflective stripes for enhanced visibility in poor light conditions.

## CERTIFICATIONS



CAT I  
EN ISO 13688/13



## KEY FEATURES



MULTIFUNCTIONAL



MOISTURE MANAGEMENT



DRIES QUICKLY

## DIMENSIONS



## FABRIC COMPOSITION

<b>Material:</b>	
POLYESTER	97%
ELASTANE	3%
<b>Structure:</b>	
Weft Knitting	
Single jersey	



## PACKAGING





## FABRIC TESTS

### Properties: **MICROFIBER**

Mass per unit area:  
EN 12127:1997 182 g/m<sup>2</sup> ±5%

Air permeability:  
EN ISO 9237:1995 603,76 mm/s ±10%

Thermal Resistance (RCT):  
EN ISO 11092: 2014 0,013 m<sup>2</sup>K/W ±10%

Water Vapour Resistance (RET):  
EN ISO 11092: 2014 2,83 m<sup>2</sup>Pa/W ±10%

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

Average Load (N)		Average Elongation (%)
Lengthwise 210 ±10%		Lengthwise 336 ±10%
Crosswise 230 ±10%		Crosswise 239 ±10%

Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008 + ERRATUM:2008

Washing procedure 4N (Ta=40 ±3°C) according to ISO 6330:2012

Lengthwise ≤ 3% Crosswise ≤ 3%

Resistance to pilling:

EN ISO12945-2:2001

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

3 - 125 cycles  
2/3 - 500 cycles  
2 - 1.000 cycles  
2 - 2.000 cycles

Determination of the abrasion resistance of fabrics:

EN ISO 12947-2:2016

Testing pressure: 9kPa

Until the first yarn broken

90.000 cycles

Fastness rates:

Colour fastness to domestic and commercial laundering

EN ISO 105-C06:2010

4-5

Colour fastness to perspiration (Alkaline & Acid):

EN ISO 105-E04:2013

4-5

Colour fastness to rubbing (Dry & Wet)

EN ISO 105-X12:2016

4-5

Colour fastness to sea water

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

EN ISO 105-B02:2014

6

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

High Visibility

\*Yellow and orange fluor colour has been tested according to UNE-EN ISO 20471:2013 and fulfill the requirement of point 5.

Ultraviolet Protection:

AS / NZS 4399:1996

50+ excellent protection