

KNITTED & POLAR FLUOR



IDEAL FOR

- Workers who require a good thermal insulation to perform static or low intensity work activities in cold environments (specially outdoor).
- The excellent thermal insulation from PrimaLoft® fabric, helps to keep the worker's body temperature.
- Includes two retro-reflective stripes.
- Cold coverage with innovative style and knitted looks.

CERTIFICATIONS



CAT I
EN ISO 13688/13



COLD ENVIRONMENTS

COLD PROTECTION IN COLD ENVIRONMENTS			
Part of the fabric that applies	Property	Standard	Performance values
PrimaLoft® fleece	Thermal Resistance/Insulation (Rct)	EN ISO 11092:2014	Class 1
	Air permeability (AP)	EN ISO 9237:1995	Class 1

*Class 1 of Rct and AP according to the classification requirements of EN 14058:2017:

Rct (m²K/W)	Class	Class	Air permeability (mm/s)
$0,06 \leq Rct < 0,12$	1	1	AP > 100
$0,12 \leq Rct < 0,18$	2	2	$5 < AP \leq 100$
$0,18 \leq Rct < 0,25$	3	3	AP ≤ 5
$0,25 \leq Rct$	4		

This garment is specially designed and indicated to protect its wearer against the cold in environments that are not excessively cold and that are characterised by a possible combination of damp and wind at temperatures of -5° C or more.



VISIBILITY

PROTECTIVE PROPERTIES AGAINST MINIMAL RISKS DUE TO LOW VISIBILITY.

This garment alone does not protect against this risk, as it does not reach a minimum surface for the user to be seen, but it helps increase visibility as long as the user also wears suitable protective clothing against this risk.

KEY FEATURES



KNITTED & POLAR FLEECE



MOISTURE MANAGEMENT



FLEECE LINING

DIMENSIONS



FABRICS COMPOSITION

- **Outer Fabric:** 100% Acrylic.
- **Fleece:** 100% Recycled Polyester.



LEARN MORE



PrimaLoft® Bio™ brings a new approach to sustainability without compromising its industry-leading performance and comfort throughout the life cycle of the garment. This innovation lies within the makeup of the fibers, which led to the creation of the world's first 100% recycled synthetic insulation and fabric designed to return to nature. A revolutionary breakthrough that offers a previously unattainable level of performance and sustainability, drastically reducing the amount of micro plastics in our landfills and oceans.

PACKAGING



WASHING MAINTENANCE SYMBOLS



KNITTED AND POLAR

Mass per unit area: EN 12127:1997	333 g/m ²	± 5 %
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Air Permeability EN ISO 9237:1995	782 mm/s	± 10 %
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Thermal Resistance (RCT): EN ISO 11092:2014	0,0716 m ² K/W	± 10 %
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Water Vapour Resistance (RET): EN ISO 11092:2014	7,80 m ² Pa/W	± 10 %
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Determination of breaking Strength and elongation:

EN ISO 13934-1:2013	AVERAGE LOAD		AVERAGE ELONGATION	
	LENGTHWISE	400 N ± 10 %	LENGTHWISE	185% ± 10 %
	CROSSWISE	670 N ± 10 %	CROSSWISE	138% ± 10 %

Bursting resistance (after 5 washes): EN ISO 13938-1:1999	466 kPa	± 10 %
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Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008	LENGTHWISE < ±3%	CROSSWISE < ±3%
Washing procedure 4N (Ta=40 ±3°C) according to ISO 6330:2012		

Resistance to pilling: ISO 12945-2:2004	4	2000 CYCLES
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Scale from 1 to 5 in which 1 is "Very severe pilling" and 5 is "No pilling".

Determination of the abrasion resistance of fabrics: EN ISO 12947-2:2016	Testing pressure: 9 kPa	>35000 CYCLES Until the first yarn broken
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Fastness rates:

Colour fastness to domestic and commercial laundering: EN ISO 105-C06:2010	4 - 5 *
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Colour fastness to perspiration (Alkaline & Acid): EN ISO 105-E04:2013	ALKALINE	4 - 5 *
	ACID	4 - 5 *

Colour fastness to rubbing (Dry & Wet): EN ISO 105-X12:2016	DRY	4 - 5 *
	WET	4 - 5 *

Colour fastness to sea water: EN ISO 105-E02:2013	4 - 5 *
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Colour fastness to artificial light: EN ISO 105-B02:2014 Método 2	4 - 5**
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* Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".

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

Enhanced visibility	CIE 15	CHROMACITY COORDINATES		LUMINANCE FACTOR	
		YELLOW FLUOR	x = 0,3818	y = 0,5217	β = 0,8592
		ORANGE FLUOR	x = 0,5759	y = 0,3651	β = 0,3455

Retroreflective material (only applies to retroreflective strap): CIE 54.2	COMPLIES
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Tests used to determine **PROTECTIVE PROPERTIES AGAINST MINIMAL RISKS DUE TO LOW VISIBILITY** (only for Fluor and/or Reflective materials)