POLAR

Buff
SAFETY

IDEAL FOR

· Workers who require a good thermal insulation to perform static or low intensity work activities in cold environments (either indoor or outdoor).
· The excellent thermal insulation from PrimaLoft® fabric, helps to keep the worker's body temperature.

CERTIFICATIONS

CE
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
$0,06 \le Rct < 0,12$	1
$0,12 \le Rct < 0,18$	2
$0,18 \le Rct < 0,25$	3
$0,25 \le Rct$	4

Class	Air permeability (mm/s)
1	AP > 100
2	$5 < AP \le 100$
3	$AP \le 5$

This garment is specially designedand 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
ONLY APPLIES TO THE YELLOW FLUOR DESIGN.

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

PRIMALOFT.
FLEECE

100% RECYCLED POLYESTER

MOISTURE MANAGEMENT

DIMENSIONS

26,5 cm

20 cm

FABRICS COMPOSITION

100% Recycled Polyester.

PRIMALOFT®

PACKAGING

POLAR

WASHING MAINTENANCE SYMBOLS

POLAR RECYCLED (NO BIO)

Mass per unit area:			
EN 12127:1997		169 g/m^2	± 5 %

Air Permeability			
EN ISO 9237:1995		1013 mm/s	± 10 %

Thermal Resistance (RCT):			
EN ISO 11092:2014		0,0846 m^{2}K/W	± 10 %

Water Vapour Resistance (RET):			
EN ISO 11092:2014		7,61 m^{2}Pa/W	± 10 %

Determination of breaking Strength and elongation:

EN ISO 13934-1:2013

	AVERAGE LOAD		AVERAGE ELONGATION	
	LENGTHWISE	280 N ± 10 %	LENGTHWISE	71,5% ± 10 %
	CROSSWISE	120 N ± 10 %	CROSSWISE	205% ± 10 %

Bursting resistance (after 5 washes):			
EN ISO 13938-1:1999		110 kPa	± 10 %

Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008   LENGTHWISE < ±3%   CROSSWISE < ±3%

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

Resistance to pilling:		
ISO 12945-2:2001	4 - 5	2000 CYCLES

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

>90000 CYCLES
Until the first yarn broken

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	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 *

Colour fastness to artificial light:	
EN ISO 105-B02:2014 Método 2	4 - 5**

* Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".

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

Enhanced Visibility		CHROMACITY COORDINATES		LUMINANCE FACTOR
CIE 15	YELLOW FLUOR	x = 0,3855	y = 0,5426	β = 0,7915

Tests used to determine **PROTECTIVE PROPERTIES AGAINST MINIMAL RISKS DUE TO LOW VISIBILITY** (only for Fluor and/or Reflective materials)