MERINO WOOL THERMAL

SAFETY

IDEAL FOR

· Workers who look for a comfortable and 100% natural accessory made of merino wool.
· Low intensity jobs.
· Cold environments.

CERTIFICATIONS

CE CAT I
EN IS0 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 (m^2K/W)	Class
0,06 ≤ Rct < 0,12	1
0,12 ≤ Rct < 0,18	2
0,18 ≤ Rct < 0,25	3
0,25 ≤ Rct	4

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

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.

KEY FEATURES

100% MULESING FREE MERINO

ANIMAL WELFARE

DOUBLE LAYER

WARMEST NATURAL FIBER

MOISTURE MANAGEMENT

NATURALLY ODOR RESISTANT

DIMENSIONS

FABRICS COMPOSITION

100% Merino Wool.

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PACKAGING

WASHING MAINTENANCE SYMBOLS

FABRIC TEST:

BUFF SAFETY

MERINO WOOL THERMAL (TESTS PERFORMED WITH 1 LAYER OF FABRIC)

Mass per unit area: EN 12127:1997	267 g/m^2	± 5 %
Air Permeability EN ISO 9237:1995	1085 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,0451 m^{2}K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	5,39 m^{2}Pa/W	± 10 %

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

AVERAGE LOAD		AVERAGE ELONGATION	
LENGTHWISE	270 N ± 10 %	LENGTHWISE	74% ± 10 %
CROSSWISE	160 N ± 10 %	CROSSWISE	300% ± 10 %

Bursting resistance (after 5 washes): EN ISO 13938-1:1999	142 kPa	± 10 %

Determination of dimensional change in domestic washing and drying:
EN ISO 5077:2008

LENGTHWISE < -5% CROSSWISE < -5%

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

Resistance to pilling: ISO 12945-2:2020	3	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 12947-2:1998 Testing pressure: 9 kPa	> 40000 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-X12:2002	DRY	4 - 5 *
	WET	2 *
Colour fastness to sea water: EN ISO 105-E02:1995	4 - 5 *	
Colour fastness to artificial light: EN ISO 105-B02:2014 Método 2	6 - 7**	

* 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”