

# MERINO WOOL THERMAL



## IDEAL FOR

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

## CERTIFICATIONS



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.

## KEY FEATURES



100% MULESING FREE MERINO



ANIMAL WELFARE



DOUBLE LAYER



WARMEST NATURAL FIBER



MOISTURE MANAGEMENT



NATURALLY ODOR RESISTANT

## DIMENSIONS



## FABRICS COMPOSITION

100% Merino Wool.



100% Merino Wool

## PACKAGING



## WASHING MAINTENANCE SYMBOLS



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

**Mass per unit area:** 267 g/m<sup>2</sup> ± 5 %  
EN 12127:1997

**Air Permeability** 1085 mm/s ± 10 %  
EN ISO 9237:1995

**Thermal Resistance (RCT):** 0,0451 m<sup>2</sup>K/W ± 10 %  
EN ISO 11092:2014

**Water Vapour Resistance (RET):** 5,39 m<sup>2</sup>Pa/W ± 10 %  
EN ISO 11092:2014

**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):** 142 kPa ± 10 %  
EN ISO 13938-1:1999

**Determination of dimensional change in domestic washing and drying:**

EN ISO 5077:2008

LENGTHWISE &lt; -5%

CROSSWISE &lt; -5%

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

**Resistance to pilling:** 3 2000 CYCLES  
ISO 12945-2:2020

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

**Determination of the abrasion resistance of fabrics:** > 40000 CYCLES

EN ISO 12947-2:1998

Testing pressure: 9 kPa

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 &amp; Acid):

EN ISO 105-E04:2013

ALKALINE	4 - 5 *
ACID	4 - 5 *

Colour fastness to rubbing (Dry &amp; 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 artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent"