POLAR RECYCLED



IDEAL FOR

- · Workers who require a good thermal insulation to perform static or low intensity work activities in cold environments (indoor or outdoor).
- · The excellent thermal insulation from PrimaLoft® fabric, helps to keep the worker's body temperature.
- · Some designs incorporate two 3M Scotchlite™ retro-reflective stripes.

CERTIFICATIONS







COLD ENVIRONMENTS ONLY APPLIES TO FLEECE FABRIC

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 ² K/W)	Class	Class	Air permeability (mm/s)
$0.06 \le Rct < 0.12$	1	1	AP > 100
$0,12 \le Rct < 0,18$	2	2	5 < AP ≤ 100
0,18 ≤ Rct < 0,25	3	3	AP ≤ 5
0,25 ≤ Rct	4		



COOL ENVIRONMENTS ONLY APPLIES TO KNITTED FABRIC

COLD PROTECTION IN COOL ENVIRONMENTS					
Part of the fabric that applies	Property	Standard	Performance values		
Knitted fabric	Thermal Resistance/ Insulation (Rct)	EN ISO 11092:2014	Results between 0.01 - 0.02 m ² K/W		
	Air permeability (AP)	EN ISO 9237:1995	Results between 300 – 400 mm/s		

The knitted fabric part of the garment is specially designed and indicated for the protection of users against minimal risks from the cold in cool environments, characterized by the possible combination of damp and wind at a temperature equal to or higher than 5 °C and up to 10 °C.

The Primaloft® fleece part of the 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.



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







97% RECYCLED POLYESTER



MULTIFUNCTIONAL



MOISTURE







DIMENSIONS



FABRICS COMPOSITION

97% Recycled Polyester. 3% Elastane.



PACKAGING



WASHING MAINTENANCE SYMBOLS





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			(),0846 m ² K/W	± 10 %	
Water Vapour Resistance (F EN ISO 11092:2014	RET):			7,61 m ² Pa/W	± 10 %	
Determination of breaking S	Strength a	and elongati	on:			
EN ISO 13934-1:2013				AVERAGE ELONGATION		
		ENGTHWISE	280 N ± 10 %	LENGTHWISE	71,5% ± 10 %	
		CROSSWISE	120 N ± 10 %	CROSSWISE	205% ± 10 %	
Bursting resistance (after 5 EN ISO 13938-1:1999		110 kPa	± 10 %			
Determination of dimension	nal change	e in domesti	c washing and	drying:		
EN ISO 5077:2008	_	ENGTHWISE	_	CROSSWISE	< ±3%	
	W	ashing procedu	re 4N (Ta=40 ±3°C)	according to ISO	6330:2012	
Resistance to pilling:			<u></u>	4 - 5	2000 CYCLES	
Scale from 1	I to 5 in whic	ch 1 is "Very sev	ere pilling" and 5 is	"No pilling".		
Determination of the abrasi	on resista	ance of fabri	cs:	>90000	CYCLES	
EN ISO 12947-2:2016	Testing pr	essure: 9 kPa		Until the fire	st yarn broken	
EN ISO 12947-2:2016 Fastness rates: Colour fastness to domest EN ISO 105-C06:2010			ndering:		st yarn broken	
Fastness rates: Colour fastness to domest	tic and cor	nmercial laur	ndering:			
Fastness rates: Colour fastness to domest EN ISO 105-C06:2010	tic and cor	nmercial laur	ndering:	4	- 5 *	
Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspira EN ISO 105-E04:2013	tic and con	nmercial laur	ndering:	4 ALKALINE	- 5 * 4 - 5 * 4 - 5 *	
Fastness rates: Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspire	tic and con	nmercial laur	ndering:	4 ALKALINE ACID	- 5 * 4 - 5 *	
Fastness rates: Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspira EN ISO 105-E04:2013 Colour fastness to rubbing	tic and cor ation (Alka	nmercial laur	ndering:	ALKALINE ACID DRY WET	- 5 * 4 - 5 * 4 - 5 * 4 - 5 *	
Fastness rates: Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspira EN ISO 105-E04:2013 Colour fastness to rubbing EN ISO 105-X12:2016 Colour fastness to sea wa	ation (Alka g (Dry & W ter:	nmercial laur	ndering:	ALKALINE ACID DRY WET	- 5 * 4 - 5 * 4 - 5 * 4 - 5 * 4 - 5 *	
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Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspirate EN ISO 105-E04:2013 Colour fastness to rubbing EN ISO 105-X12:2016 Colour fastness to sea waten ISO 105-E02:2013 Colour fastness to artificiate EN ISO 105-B02:2014 Mé * Fastness rates in a scale from	ation (Alka g (Dry & W ter: I light: etodo 2 om 1 to 5 in	mmercial lauraline & Acid): /et):	por behaviour" and	ALKALINE ACID DRY WET 4 4 5 is "Good beh y poor" and 8 is "	- 5 * 4 - 5 * 4 - 5 * 4 - 5 * 4 - 5 * - 5 * - 5 * aviour". 'Excelent" LUMINANCE	
Colour fastness to domest EN ISO 105-C06:2010 Colour fastness to perspirat EN ISO 105-E04:2013 Colour fastness to rubbing EN ISO 105-X12:2016 Colour fastness to sea wat EN ISO 105-E02:2013 Colour fastness to artificiat EN ISO 105-B02:2014 Mé * Fastness rates in a scale from ** Fastness to artifical light rates.	ation (Alka ation (Alka g (Dry & W ter: I light: etodo 2 om 1 to 5 in ates in a sca	mmercial lauraline & Acid): /et):	oor behaviour" and in which 1 is "Ver CHROM	ALKALINE ACID DRY WET 4 4 5 is "Good beh y poor" and 8 is "	- 5 * 4 - 5 * 4 - 5 * 4 - 5 * 4 - 5 * - 5 * - 5 * aviour". 'Excelent"	

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



Mass per unit area: EN 12127:1997			182 g/m ²	± 5 %
Air permeability: EN ISO 9237:1995			380 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014			0,013 m ² K/W	± 10 %
Water Vapour Resistance (I EN ISO 11092:2014	RET):		2,83 m ² Pa/W	± 10 %
Determination of breaking S	Strength and elongati	on:		
EN ISO 13934-1:2013	AVERA	GE LOAD	AVERAGE I	ELONGATION
	LENGTHWISE	210 N ± 10 %	LENGTHWISE	336% ± 10 %
	CROSSWISE	230 N ± 10 %	CROSSWISE	239% ± 10 %
Bursting resistance (after 5 EN ISO 13938-1:1999	washes):		122 kPa	± 10 %
Determination of dimension	nal change in domest	ic washing and	drying:	
EN ISO 5077:2008	LENGTHWISE	_	CROSSWISE	< +3%
		re 4N (Ta=40 ±3°C)		
Resistance to pilling:	31		2	2000 CYCLES
	I to 5 in which 1 is "Very sev	vere pilling" and 5 is	"No pillina".	
Determination of the abrasi				CYCLES
EN ISO 12947-2:2016	Until the first yarn broken			
Fastness rates:				
Colour fastness to domes EN ISO 105-C06:2010	tic and commercial laur	ndering:		4 *
Colour fastness to perspir	ation (Alkaline & Acid):		ALKALINE	4 - 5 *
EN ISO 105-E04:2013	,		ACID	4 - 5 *
Colour fastness to rubbing	n (Dry & Wet):		DRY	4 - 5 *
EN ISO 105-X12:2016	j (Diy a vvet).		WET	4 - 5 *
Colour fastness to sea wa	ter:			- 5 *
Colour fastness to artificia EN ISO 105-B02:2014 Me			(5**
* Fastness rates in a scale from the				
Enhanced Visibility		CHROM COORDI		LUMINANCE FACTOR
CIE 15	YELLOW FLUOR	x = 0,3853	y = 0,5411	β = 0,7597
	ORANGE FLUOR	x = 0,5901	y = 0,3647	$\beta = 0,2939$
Ultraviolet Protection:	<u> </u>	·	5	0+
AS/NZS 4399:2017			Excellen	t protection
Retroreflective material (on CIE 54.2	ly applies to Scotchli	te [®] retroreflecti	ve strap):	COMPLIES

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