

CUT RESISTANT



IDEAL FOR

- Police, military personnel, private security or even different industrial workers requiring cut protection from sharp objects on the neck area.
- In the lower part combines recycled polyester (inner and outer layers) with cut resistant Dyneema® fabric (intermediate layer).
- Four-way ultra stretch fabric for greater comfort.

CERTIFICATIONS



CAT II
EN ISO 13688/13

The Dyneema® layer of fabric was tested according with standard EN ISO 13997:1999, Determination of resistance to cutting by sharp objects.



Test standards:

Protection against mechanical risk (Cutting) According to EN 388:2016+A1:2018	LEVEL D
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KEY FEATURES



DIMENSIONS



FABRICS COMPOSITION

Main fabric: 95% Recycled Polyester, 5 % Elastane.

Inner lining: 45% Polyethylene Dyneema®, 30% Glass fiber with PTFE Coating, 20% Polyamide, 5% Elastane.



PACKAGING



WASHING MAINTENANCE SYMBOLS



DYNEEMA (INNER FABRIC)

Mass per unit area: EN 12127:1997	430 g/m ²	± 5 %
Air Permeability EN ISO 9237:1995	75 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,04 m ² K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	7,77 m ² Pa/W	± 10 %
Bursting resistance: EN ISO 13938-1:2019	591 kPa	± 10 %
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 12945-2:2000	5	7000 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	>100000 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	8 **	
* 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 “Excellent”		

ORIGINAL ECOSTRETCH (OUTER FABRIC)

Mass per unit area: EN 12127:1997		170 g/m ²	± 7 %
Air permeability: EN ISO 9237:1995		250 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014		0,014 m2K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014		2,55 m2Pa/W	± 10 %
Determination of breaking Strength and elongation: EN ISO 13934-1:2013			
		AVERAGE LOAD	
		AVERAGE ELONGATION	
LENGTHWISE		240 N ± 10 %	LENGTHWISE
CROSSWISE		160 N ± 10 %	CROSSWISE
		160% ± 10 %	227% ± 10 %
Bursting resistance (after 5 washes): EN ISO 13938-1:1999		122 kPa	± 10 %
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 12945-2:2001		2	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		>70.000 CICLOS	
Testing pressure: 9 kPa		Until the first yarn broken	
Fastness rates:			
Colour fastness to domestic and commercial laundering: EN ISO 105-C06:2010		4 *	
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 Method 2		6**	
* 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 “Excellent”			