

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



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

KEY FEATURES



4-WAY
ULTRA STRETCH



60% RECYCLED
POLYESTER



MOISTURE
MANAGEMENT



CUT
RESISTANT

DIMENSIONS



FABRICS COMPOSITION

60% Recycled Polyester.
16% Dyneema®.
11% Glass + PTFE Coating.
8% Polyamide.
5% Elastane.



17,5 cm

PACKAGING



WASHING MAINTENANCE SYMBOLS



CUT RESISTANT (INSIDE LAYER)

Mass per unit area: EN 12127:1997	385 g/m ²	± 5 %
Air Permeability EN ISO 9237:1995	102 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,0297 m ² K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	6,08 m ² Pa/W	± 10 %
Bursting resistance: EN ISO 13938-1:1999	544 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: EN ISO 12945-2:2000	4	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 12947-2:1999	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		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"		

ORIGINAL ECOSTRETCH (Outside Layer)

Mass per unit area: 182 g/m² ± 5 %
 EN 12127:1997

Air permeability: 380 mm/s ± 10 %
 EN ISO 9237:1995

Thermal Resistance (RCT): 0,013 m²K/W ± 10 %
 EN ISO 11092:2014

Water Vapour Resistance (RET): 2,83 m²Pa/W ± 10 %
 EN ISO 11092:2014

Determination of breaking Strength and elongation:

EN ISO 13934-1:2013

AVERAGE LOAD		AVERAGE ELONGATION	
LENGTHWISE	210 N ± 10 %	LENGTHWISE	336% ± 10 %
CROSSWISE	230 N ± 10 %	CROSSWISE	239% ± 10 %

Bursting resistance (after 5 washes): 122 kPa ± 10 %
 EN ISO 13938-1:1999

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: 2 2000 CYCLES
 ISO 12945-2:2001

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

Determination of the abrasion resistance of fabrics: >90.000 CYCLES
 EN ISO 12947-2:2016 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 artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excellent"