

DATA SHEET: **HELMET LINER PRO BUFF®**

GENERAL DESCRIPTION

- Short tubular of 27,5 cm-long, perfect to use under the helmet. Made of Fastwick Extra Plus fabric: highly breathable, it absorbs sweat and is fast-drying.
- Its special knit design keeps the worker very comfortable even during very intense jobs, keeping the tubular fresh, dry and odour free.
- Comfort seams done with elastic Bonding Technology, that joins fabrics by heat fusion, creating extra flat and welded seams for minimum friction with the skin.

KEY FEATURES



MULTIFUNCTIONAL



BONDING
TECHNOLOGY



MOISTURE
MANAGEMENT



ODOR
RESISTANT



DRIES
QUICKLY



FASTWICK
EXTRA PLUS



SILVER
(antibacterial
growth)

DIMENSIONS



FABRIC COMPOSITION

Material:	
POLYESTER	100%
Structure:	
Weft Knitting	

PACKAGING



Properties: FASTWICK EXTRA PLUS

Mass per unit area:
UNE-EN 12127:1998 108 g/m² ±5%

Air permeability:
UNE-EN ISO 9237:1996 2026,04 mm/s ±10%

Thermal Resistance (RCT):
ISO 11092: 2014 0,0111 m²K/W ±10%

Water Vapour Resistance (RET):
ISO 11092: 2014 1,56 m²Pa/W ±10%

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

Average Load (N)		Average Elongation (%)
Lengthwise 270 ±10%		Lengthwise 101 ±10%
Crosswise 220 ±10%		Crosswise 169 ±10%

Determination of dimensional change in domestic washing and drying:

UNE-EN ISO 5077:2008 + ERRATUM:2008
Washing procedure 3M (Ta=40 ±3°C) according to ISO 6330:2012
Lengthwise ±3 % Crosswise ±3 %

Resistance to pilling (martindale, 2000 cycles):
UNE-EN ISO12945-2:2001 5
Scale from 1 to 5 in which 1 is "Very severe pilling" and 5 is "No pilling".

Determination of the abrasion resistance of fabrics:

UNE-EN ISO 12947-2:1999/AC:2006
Testing pressure: 9kPa 37500 cycles
Until the first yarn broken

Fastness rates:

Colour fastness to domestic and commercial laundering
UNE-EN ISO 105-C06:2010 4-5

Colour fastness to perspiration (Alkaline & Acid):
UNE-EN ISO 105-E04:2013 4-5

Colour fastness to rubbing (Dry & Wet)
UNE-EN ISO 105-X12:2003 4-5

Colour fastness to sea water
UNE-EN ISO 105-E02:1996 4-5

(Fastness rates in a scale from 1 to 5 in which 1 is "Poor behaviour" and 5 is "Good behaviour".)

Colour fastness to artificial light
UNE-EN ISO 105-B02:2013 method 2 4-5

(Fastness to artificial light rates in a scale from 1 to 8 in which 1 is "Very poor" and 8 is "Excelent".)