

Article Code	
Article Name	Flex 101
Article Description	Rip-Stop Polyester Elastan for High-Visibility Clothing UNI EN ISO 20471:2017
Revision	Rev. 1
Revision date	03/06/2019

Construction	Requirement	Standard
Composition	90 PES - 10 EA	ISO 1833 Regulation EU No. 1007/2011
Weight	200 gr/m ² ± 5%	UNI EN 12127
Weave		ISO 3572
Yarn Count	Warp - Weft -	
Yarn Density	Warp - Weft -	UNI EN 1049-2
Fabric Width	157 cm ± 3	UNI EN 1773
Usable Width	154 cm ± 3	UNI EN 1773

Physical Characteristics	Requirement	Standard
Tensile Strenght	Warp 750 N Weft 1100 N	UNI EN ISO 13934-1
Tear Strenght	Warp - Weft-	UNI EN ISO 13937-2
Dimensional Stability (40°)	Warp ± 2% Weft ± 2%	UNI EN ISO 6330
Fabric Elasticity	Warp 20% Weft 20%	UNI EN ISO 14704-1 Method A
Abrasion: Martindale	≥ 45.000	UNI EN ISO 12947-2
Pilling: Martindale	-	UNI EN ISO 12945-2
Water-Vapour Resistance	≤ 5 m ² Pa/W	UNI EN ISO 11092
Spray Test	5	UNI EN ISO 4920

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Colour Performances	Requirement	Standard
Colour performances for New Material	Compliant ¹	UNI EN ISO 20471
Colour After Xenon Test	Compliant ¹	UNI EN ISO 20471
Colour After Washing	Compliant ¹	UNI EN ISO 20471
Colour Fastness To Laundering (40°)	4/5 Colour Change 4/5 Staining	UNI EN ISO 105 C06
Colour Fastness To Dry Cleaning	4/5 Colour Change 4/5 Staining	UNI EN ISO 105 D01
Colour Fastness To Perspiration Acid	4/5 Colour Change 4/5 Staining	UNI EN ISO 105 E04
Colour Fastness To Perspiration Alkali	4/5 Colour Change 4/5 Staining	UNI EN ISO 105 E04
Colour Fastness To Bleaching: Hypochlorite	4/5 Colour Change	ISO 105 N01
Colour Fastness To Hot Pressing (Dry)	4/5 Colour Change	UNI EN ISO 105 X11
Colour Fastness to Rubbing (Dry)	4/5 Staining	UNI EN ISO 105 X12

Special Specifications	
Oekotex 100	-
High Visibility 20471	Compliant
Preferential Origin	Yes

Care Instructions



Notes

Note 1: Only applicable to High Visibility Colours: Red HV, Orange-Red HV, Yellow HV