


TECHNICAL DATA SHEET MARANO

Modified on: 2018-11-15
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Report number: JC17110921709

FABRIC DETAILS			
Composition:	Wool / Polyester 50 % / 50 %		
Weight g/m:	280 g/m	Width:	150 cm
Weight g/m ² :	187g/m ²	Usable width:	147 cm
Weave:	Twill	Density:	380*357
		WARP	WEFT
Yarn count:	80/2		50/1

COLOUR FASTNESS		REFERENCE	COLOR CHANGE	STAIN					
				A	C	N	P	AC	W
To washing:		ISO 105-C06:2010	4-5	4-5	4-5	4-5	4-5	4-5	4-5
To dry cleaning:		ISO 105-D01:2010	4-5	4-5	4-5	4-5	4-5	4-5	4-5
To perspiration:	Acid	ISO 105-E04:2013	4-5	4-5	4-5	4-5	4-5	4-5	3-4
	Alcalic	ISO 105-E04:2013	4-5	4-5	4-5	4-5	4-5	4-5	3-4
				WARP			WEFT		
To dry rubbing:		ISO 105-X12:2016		4-5			4-5		
To wet rubbing:		ISO 105-X12:2016		4-5			4-5		
			COLOUR CHANGE AT ONCE	COLOUR CHANGE AFTER 4 HOURS		STAINING ON COTTON ADJACENT			
To hot pressing	Dry	ISO 105-X11:1994	4-5	4-5					
	Damp	ISO 105-X11:1994	4-5	4-5		4-5			
	Wet	ISO 105-X11:1994	4-5	4-5		4-5			
To non-chlorine bleach:		AATCC TS-001		4,5					
To light:		ISO 105-B02:2014		above 4					

A - acetate C - cotton N - nylon P - polyester AC - acrylic W - wool

CARE INSTRUCTION		REFERENCE	COLOR	PILING	DEFECTS	CONCLUSION
Appearance after washing:	After one wash	ISO 6330:2012	4-5	4-5	No defects	General appearance satisfactory
	After three washes	ISO 6330:2012	4-5	4-5	No defects	General appearance satisfactory
Appearance after dry cleaning:		ISO 3175-2:2010	4-5	4-5	No defects	General appearance satisfactory
Care pictograms:						

PACKING			
Roll length:	~ 50 m	Wrapping:	Carton tubes inside, polybags & woven bags outside; each packing layer labelled

HS customs code:	5515131900
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PHYSICAL PROPERTIES		REFERENCE	WARP		WEFT				
Seam slippage:	Seam opening at 6mm	ISO 13936-1:2004	> 200 N		>200 N				
	Seam strenght	ISO 13936-1:2004	>200 N (FBS)		>200 N (STB)				
Dimensional stability to washing:		ISO 3758:2011/ISO 5077:2007/ISO 6330:2012	-0,6 %		-0,1 %				
Dimensional stability to dry cleaning:		ISO 3175-2:2010	+0,5 %		-0,3 %				
Dimensional stability to steam:		ISO 3005:1978	-1,6 %		-0,2 %				
Tear strenght:		ISO 13937-2:2000	45 N		38 N				
Tensile strenght:		ISO 13934-2:2014	650 N		440 N				
Elongation:		ISO 13934-2:2014	44,8 %		51,3 %				
CYCLES									
			125	500	1000	2000	5000	7000	10800
Pilling:		ISO 12945-2:2000	4-5	4	4	3-4	3-4	3	-
			Elongation		UN (1min)		RE (1min)		RE (30min)
Stretch properties:	Warp	EN14704-1:2005	-	-	-	-	-	-	
	Weft	EN14704-1:2005	-	-	-	-	-	-	
	Length - specified load	EN14704-1:2005	-	-	-	-	-	-	
	Width - specified load	EN14704-1:2005	-	-	-	-	-	-	
	Length - specified elongation	EN14704-1:2005		-	-	-	-	-	
	Width - specified elongation	EN14704-1:2005		-	-	-	-	-	
Spirality:	After drycleaning	ISO 3175-2:2010	-						
	After laundering	ISO 16322-2:2005	-						
Abrasion resistance:		ISO 12947-2:2016	> 30000 Cycles						

FB - Fabric Borken STB - Sewing Thread Broken FBS - Fabric Broken at Seam YPO - Yarn Pull Out UN - Unrecovered Elongation RE - Recovered Elongation
X - The Seam Opening was less than 6mm, though the ultimate steam strenght was founded as stated Cross Tear - means the force does not proceed along the direction of force