AUNDE Belgium N.V.

171266

Production Part Approval
Material test Results

SUPPLIER: **AUNDE Belgium N.V.**

PART NUMBER: **WSS-M8P18-B2 / WRS-M1H1265-A21**

NAME OF LABORATORY: **AUNDE Belgium N.V.**

PART NAME: **BELGRANO Ebony 2mm**

Item	PROPERTY	TEST METHOD	UNITS	CRITERIA	SUPPLIER TEST RESULTS Warp/Wales	Weft/Courses	OK	NOT OK
3.2	**CONSTRUCTION (WRS-M1H1265-A21)**							
3.2.1	FABRIC COUNT	ASTM D 3887/3775	Yams/10 cm	Warp: 120 +/- 5% Weft: 199 +/- 5%	120	190	OK	
3.2.1.1	YARN CONSTRUCTION	ASTM D 1244	dtex					
3.2.1.2	YARN FILAMENTS		Fxx					
3.2.1.3	FIBER COMPOSITION	ASTM D 629	Percent (%)	Report Only	100% PES		OK	
3.2.1.4	WEIGHT	FLTM BN 106-01	g/m²	275 +/- 5%	274		OK	
3.2.2	BACKING: CIRC. KNITTED SCRIM	Material	--	100% PES	Conform		OK	
		Type	--	Circ. Knitted	Conform		OK	
		Weight	g/m²					
3.2.3	LAMINATED FABRIC							
3.2.3.1	TOTAL WEIGHT		g/m²	390 +/- 40	381		OK	
3.2.3.2	TOTAL THICKNESS		mm	2,0 +/-0,5	2,08		OK	
3.3	**APPEARANCE**	FLTM BI 109-01	Instrumental Color Readings: see AAR					
3.4	**FOGGING**	SAE J1756	Percent (%)	70 min., no oily residue, beads	99,91		OK	
3.5	**ODOR**	FLTM BO 131-03	Rating Scale	Rating 3 Max				
				23+/-2°C	2		OK	
				45+/-2°C	2,5		OK	
				65+/-2°C	3		OK	
3.6	**FLAMMABILITY**	ISO 3795 /SAE J369	mm/min.	100 mm/min, max 1.	91	81	OK	
3.7	**CONSTRUCTION PROPERTIES**							
3.7.1	BREAKING STRENGTH	ASTM D 5034	Newton	400 N min.	799	1267	OK	
3.7.2	ULTRAVIOLET DETERIORATION	SAEJ1885 / SAE J2212						
3.7.2.1	RETAINED TENSILE (After 451.2 kJ/m²)	FLTM BN 117-03 Method A	Percent (%)	40% min. of Original No sample below 220 N	91,2	91,7	OK	
3.7.2.2	SURFACE FIBER DETERIORATION (After 977.6 kJ/m²)	FLTM BN 117-03 Method B	Visual	Pass/Fail	pass	pass	OK	
3.7.3	SEAM STRENGTH	FLTM BN 119-01	Newton	400 N, min.	783	602	OK	
3.7.4	SEAM FATIGUE RESISTANCE	FLTM BN 106-02	mm	3 mm, max with no "running"	8mm NA 6mm 1,28	8mm NA 6mm 1,33	OK	
3.7.5	TEAR STRENGTH	ASTM D 5587	Newton	Seating 100N/Trim 50N	213	166	OK	
3.7.6	MARTINDALE ABRASION	FLTM BN 158-01	Visual	60,000 cycles	pass		OK	
3.7.8	RESISTANCE TO SNAGGING							
3.7.8.2	Mace Snagging	FLTM BN 108-11						
	Flat Woven and Flat Knit Fabrics	600 cycles min	Visual	Pass/Fail	pass	pass	OK	
3.7.9	RESISTANCE TO PILLING	VDA 230-210	Visual	Mark 4 Rating 4	4		OK	
3.7.10	RESISTANCE TO LINT PICK-UP AND RETENTION	FLTM BN 125-01	Visual	Pick-up Rating 3 / Retention Rating 4	4/3 4		OK OK	
3.8	**COLOR PROPERTIES**							
3.8.1	RESISTANCE TO FADE							
3.8.1.1	451.2 kJ/m²	FLTM BO 116-01	Visual	Rating 4-5 min	5		OK	
3.8.1.2	977.6 kJ/m²	FLTM BO 116-01	Visual	Rating 4 min	4/5		OK	
3.8.2	RESISTANCE TO HEAT AGING	ISO 105-A02 7d @ 100 +/- 2°C	Visual	Rating 4 min	4/5		OK	
3.8.3	RESISTANCE to RUBBING (Crocking)	FLTM BN 107-01	Visual	Dry Rating 4 min Distilled Water 4 min	5 4/5	5 4/5	OK OK	
3.8.4	SOILING and CLEANABILITY							
	Soil	FLTM BN 112-08	Visual	After Cleaning, Rating 4	5		OK	
	Coffee	FLTM BN 112-08	Visual	After Cleaning, Rating 4	5		OK	
	Grease	FLTM BN 112-08	Visual	After Cleaning, Rating 4	4		OK	
3.8.5	THERMAL MIGRATION/STAINING	Refer to Specification	Visual	Rating 4 min	5		OK	
3.8.6	RESISTANCE to STAINING							
	Coca-Cola®	FLTM BN 112-12	Visual	Rating 4-5 min	5		OK	
	Instant Coffee	FLTM BN 112-12	Visual	Rating 4-5 min	5		OK	
	Milk-2%	FLTM BN 112-12	Visual	Rating 4-5 min	5		OK	
	Deionized (DI) Water	FLTM BN 112-12	Visual	Rating 4-5 min	5		OK	
	Tap Water	FLTM BN 112-12	Visual	Rating 4-5 min	5		OK	
3.9	**FABRIC FUNCTIONAL PROPERTIES**							
3.9.1	ANTI-STATIC FINISH	FLTM BN 156-01	Mohms	$5x10^4$ max	$1,3x10^4$		OK	
3.10	**TRIMMABILITY PROPERTIES**							
3.10.1	STRETCH	SAE J855	Percent (%)	Report Value	19,5	11,8	OK	
	SET	SAE J855	Percent (%)	Report Value	1,1	1,3	OK	
3.10.2	SHRINKAGE, WATER	FLTM BN 105-01	Percent (%)	6% max	0	0,0	OK	
	SHRINKAGE, HEAT	Refer to Specification	Percent (%)	6% max	0	0,0	OK	
3.10.3	SHRINKAGE, BACKING FABRIC (B2 Only)	Refer to Specification	Percent (%)	2% max	0,2	0,0	OK	
3,11	**LAMINATE REQUIREMENTS (A2, A3 Only)**							
3.11.1	ADHESION STRENGTH		**Face Fabric to Foam**					
	AS RECEIVED	FLTM BN 151-05, Method A	Newton	Flame 6N min	12,9	10,3	OK	
			Backing Fabric to Foam					
	AS RECEIVED	FLTM BN 151-05, Method A	Newton	Flame 3,5N min	7	3,8	OK	
3.11.2	CREASE TEST-WMD and AMD	Refer to Specification	Visual	Report Only	D	D	OK	
3.11.3	LAMINATE THICKNESS (total thickness)	ASTM D 1777	mm	As specified by Tier1	2,1		OK	
3.11.4	RESISTANCE TO CURLING	Refer to Specification	mm	<13mm	2,07	2,1	OK	
	WRS-M1H1265-A21				**CONFORM**		OK	

MATERIALS ENGINEERING DISPOSITON BY	DATE	APPROVAL STATUS
AUNDE Belgium - Amélie CLEMENT	7/07/2023	CONFORM