



FORD MOTOR COMPANY FABRIC MATERIAL CONSTRUCTION TEST RESULTS  
ENGINEERING MATERIAL SPECIFICATION DATA SHEET WSS-M8P18-C1/C2

FABRIC NAME		LOT #	SD #	REGION (FOE/FNA/APA/SA)	SUPPLIER	FABRIC CONSTRUCTION
BARLO MED URBAN GREY		P4376	N/A	FOE	MARTUR	Woven Fabric
VEHICLE LINE/MODEL YEAR		COLOR CODE	DATE	SUPPLIER REP NAME (print)		LAB REPORT NUMBER
TRANSIT			18.08.2022	SİNEM ALTAN		MARTUR
PROPERTY		TEST METHOD	UNITS	ACCEPTANCE	RESULTS	RESULTS
3,3	CONSTRUCTION					
	FABRIC COUNT	ASTM D 3887/3775	Yarns/10 cm	Report Only	Warp/Wales Fill/courses	Warp/Wales      Fill/courses
	FABRIC		Yarns/10 cm	Report Only		Warp/Wales:360 Fill/courses:450
	YARN NUMBER (size)					Warp 1:330 dtex Weft 1:330 dtex
	YARN FILAMENTS		XX dtex Fxx			Warp 1:96 filament Weft 1:96 filament
	FIBER COMPOSITION	ASTM D 629	Percent (%)	Report Only		%100 PES
	WEIGHT	FLTM BN 106-01	g/m <sup>2</sup>	Report Only		Face Fabric: 334 g/m2
	DYE METHOD (piece, solution, yarn/package, etc)					Dope Dyed
	TYPE AND AMOUNT OF BACKCOATING		g/m <sup>2</sup>			N/A
	SOIL REPELLANT (SR)		g/m <sup>2</sup>			N/A
	FOAM TYPE & DENSITY		kg/m <sup>3</sup>			28 kg/m <sup>3</sup> / PUR-PET
	RECYCLED YARN CONTENT		%			N/A
	SCRIM CONSTRUCTION		g/m <sup>2</sup>			41 g/m <sup>2</sup> / Circular Knit
	FLAME RETARDANT CHEM/WGT		g/m <sup>2</sup>			N/A
3,9	FOGGING	SAE J1756	fog number	70 min		97,1
3,10	ODOR	FLTM BO 131-03 Variant C	Condition 1 Rating	3 max		2
			Condition 2	3 max		2
			Condition 3	3 max		2
3,11	FLAMMABILITY	ISO 3795	mm/minute	100 max		L: 64 mm/min T: self ext.
3,12	PHYSICAL PROPERTIES					
3.12.1	WEIGHT	FLTM BN 106-01	g/m2			Face Fabric: 334 g/m2
3.12.2	FABRIC COUNT	ASTM D 3887	Yarns/10 cm			Warp:360/10 cm Weft:450/10cm
3.12.3	BREAKING STRENGTH					
3.12.3.1	AS RECEIVED	ASTM D 5034	Newtons	400 N min.		L: 1636 T: 1945
3.12.3.2	FABRIC WITH PERFORATION			Report Only		
3.12.3.3	RETAINED TENSILE (After 977.6 kJ/m <sup>2</sup> )	ASTM D 5034	Newtons	350 N min.		L:1436 T:1713
3.12.4	SEAM STRENGTH	FLTM BN 119-01	Newtons			
	8mm +/-2mm Seam Allowance			400 N min.		N/A
	6mm +/-2mm Seam Allowance			400 N min.		L:670 T:599
	3mm +/-1mm Seam Allowance			Report Only		L:551 T:645
	Fabrics with Perforation			Report Only		
3.12.5	SEAM DETERIORATION	FLTM BN 106-02	mm	2 mm max		L:1mm T:1mm
3.12.6	TEAR STRENGTH (TRAPEZOID)	ASTM D5587	Newtons	100 N min		L:365 T:330
3.12.7	MARTINDALE ABRASION	FLTM BN 158-01	Cycles			
	Insert			50,000 min		
	Bolster			60,000 min		
	Truck/Commercial			100,000 min		OK
3.12.8	RESISTANCE TO SNAGGING					
3.12.8.1	MACE SNAGGING	FLTM BN 108-11	Cycles	600 min		L: 4 T: 3/4
3.12.8.2	TABER SNAGGING	FLTM BN 108-07	Cycles	200 min	-	N/A
3.12.9	RESISTANCE TO PILLING (VELCRO TEST)	VDA 230-210	Cycles			
	Passenger Car			Rating 3 min		
	Truck/Commercial			Rating 4 min		4
3.12.10	STRETCH AND SET	SAE J855	%			
	Flat Woven - Bolster	Stretch		6% min		
		Set		0-3%		
	Flat Woven - Insert	Stretch		4% min		L: 6,8 T: 5,8
		Set		0-3%		L: 0 T: 0
	Warp Knit -Bolster/Insert	Stretch		6-30%		
		Set		0-5%		
3.12.11	ELONGATION	ASTM D5034	%	Report %		L:9,1 T:6,3



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<b>VEHICLE LINE/MODEL YEAR</b> TRANSIT		<b>COLOR CODE</b>	<b>DATE</b> 18.08.2022	<b>SUPPLIER REP NAME (print)</b> SINEM ALTAN		<b>LAB REPORT NUMBER</b> MARTUR
<b>PROPERTY</b>		<b>TEST METHOD</b>	<b>UNITS</b>	<b>ACCEPTANCE CRITERIA</b>	<b>RESULTS LEVEL 1</b>	<b>RESULTS LEVEL 2</b>
3.1	<b>COLOR PROPERTIES</b>					
3.13.1	<b>RESISTANCE TO INTERIOR WEATHERING</b>					
	977.6 kJ/m <sup>2</sup>	FLTM BO 116-01	Visual	Rating 4 min		5
3.13.2	<b>LONG TERM ENVIRONMENTAL</b>					
		FLTM BO 040-01	Visual	Rating 4 min		5
3.13.3	<b>SOILING and CLEANABILITY</b>					
		FLTM BN 112-08	Visual			
		Soil		After Cleaning, Rating 4		5
		Coffee		After Cleaning, Rating 4		4
		Grease		After Cleaning, Rating 4		5
3.13.4	<b>LIQUID REPELLENCY COATING VERIFICATION</b>					
		FLTM BN 153-01	Visual	No soak in after 30 minutes		N/A
3.13.5	<b>RESISTANCE TO LINT ADHESION AND RETENTION</b>					
	Lint Adhesion	Vertical	Visual	Rating 3 min	4	4
		Horizontal		Rating 3 min	4	4
	Lint Retention - Vacuum	Vertical		Rating 4 min	4	4
		Horizontal		Rating 4 min	4	4
	Lint Retention - Lint Roller	Vertical		Rating 4 min	4	4
		Horizontal		Rating 4 min	4	4
3.13.6	<b>RESISTANCE TO CLEANING AGENTS</b>					
		FLTM BN 107-01	Visual			
		Wet		Rating 4 min		5
		Dry		Rating 4 min		5
3.13.7	<b>PRINTED FABRICS</b>					
	THERMAL MIGRATION AND STAINING	AATCC PROCEDURE 2	Visual	Rating 4 min		N/A
<b>ENGINEERING REMARKS- THE MATERIAL MUST ALSO PASS FOR DURABILITY AND MANUFACTURING FEASIBILITY FOR THE INTENDED APPLICATION</b>						
<b>MATERIALS ENGINEERING DISPOSITON BY (PRINT AND SIGN)</b>				<b>DATE</b>	<b>APPROVAL STATUS</b>	