FABRIC, VINYL COATED, MULTI-PURPOSE **WSS-M2F186-A1**

FABRIC, VINYL COATED, ANTI-SQUEAK FINISH **WSS-M2F186-A2**

FABRIC, VINYL COATED, COMMERCIAL VEHICLE **WSS-M2F186-A3**

1. SCOPE

The material defined by these specifications is an expanded polyvinyl chloride film laminated to a knitted polyester fabric. These materials can be used laminated with foam and/or a backing fabric/scrim, based on the application.

2. APPLICATION

WSS-M2F186-A1 was released originally for material used in interior trim as a covering for seat applications in passenger vehicles.

WSS-M2F186-A2 was released originally for interior applications such as door inserts, head rest, arm rest, seat side facings that require an anti-squeak finish.

WSS-M2F186-A3 was released originally for commercial vehicle seating applications that require high resistance to abrasion.

Any other application must be evaluated and approved by a Design Engineer and a Materials Engineer.

2.1 LIMITATIONS

NA applications – Only for side facing and seat backs applications for B, C, and CD vehicles. Use of these materials on any other seat must be evaluated and approved by Seat Engineering and Materials Engineering.

3. REQUIREMENTS

In addition to the requirements listed herein, this material shall meet the specification requirements of WSS-M8P3-E1/E3 or latest, *Performance, Flexible Polymeric Film, Interior Quality.* Laminated materials must meet the lamination requirements per WSS-M8P3-E3 or latest.

For WSS-M2F186-A2, the material when built up into an assembly in the intended vehicle shall show no evidence of squeaking on drive appraisal. Anti squeak properties to be evaluated per application by the Product Engineer and/or NVH Department. Antisqueak properties of the material must be also reviewed by regional Materials Engineering and documented on Approved Source List.

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements for Production Materials (WSS-M99P1111-A)

Date	Action	Revisions	Rev. 2
2011 05 12	A3-Activated A1/A2-Revised	Editorial revision A1/A2 (para 2 & 3)	Mark Montgomery, Sorina Stanciu
2010 02 17	A1-Activated		Mark Montgomery, Maria Dumitrescu
2009 05 21	A2-Activated		M. Dumitrescu, [illegible] Bankowski

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3.2 APPEARANCE (FLTM BI 109-01)

The color, pattern, gloss level and finish shall match the approved Corporate Design master sample or shall be as specified on the engineering drawing

3.3 SUPPORTED FABRIC

3.3.1	Composition (ASTM D 276)	
	Fabric	100% Polyester Warp knit fabric
3.3.2	Weight, +/- 10% (ASTM D 751, Sample Method)	80 g/m^2
3.3.3	Breaking Strength (ASTM D 5034, Grab Method)	
	WMD	200 N min
	AMD	250 N min

3.4 VINYL COATED FABRIC

3.4.1	Weight (ASTM D 751, Sample Method)	
	Total (vinyl and supported fabric)	710 - 780 g/m^2
3.4.2	Breaking Strength (ASTM D 751, Grab Method)	
	WMD	350 N min
	AMD	350 N min
3.4.3	Tear Strength (ASTM D751, Trapezoid Tear)	
	WMD	70 N min
	AMD	120 N min
3.4.4	Seam Strength (FLTM BN 119-01)	
	WMD	350 N min
	AMD	350 N min
3.4.5	Dimensional Stability (SAE J883, 15 minutes at 100 °C)	
	WMD	3.0% max
	AMD	3.0% max

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