



FABRIC, PREMIUM VINYL (PVC) COATED, WITH ENHANCED HAPTIC TOP COAT

WSS-M2F212-A1

1. SCOPE

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

2. APPLICATION

WSS-M2F212-A1 was released originally for material used in interior trim as a covering for seating applications. Any other applications must be evaluated by the appropriate product engineer with functional testing and approved by Materials Engineering.

2.1 LIMITATIONS

Product grain will be used to determine and classify the usage of this premium enhanced haptic top coat polyvinyl chloride for Ford and Lincoln vehicles.

Not recommended for usage in areas where anti-squeak properties are required.

Not to be used for truck or commercial vehicle, in any A surface.

3. REQUIREMENTS

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)

3.1.1 Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1 / latest, *Performance, Vehicle Interior Environmental Quality Material/Component Requirements*. Data must be included in material submission package.

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

3.2 APPEARANCE (FLTM BI 109-01)

The color, pattern, grain, gloss level and finish shall match the approved corporate design master sample or shall be as specified on the engineering drawing.

3.3 COMPOSITION

3.3.1 Vinyl Coated Fabric Composite

Date	Action	Revisions	Rev. 0
2015 03 02	Released		



3.3.1.1	Weight (ASTM D 751, Sample Method)	
	Total (vinyl and supported fabric)	820 - 945 g/m ²
3.3.1.2	Thickness	1.0min. - 1.7max/mm
3.3.2	Supported Fabric (ASTM D 276)	
3.3.2.1	Fabric Composition	Warp Knit made of 100% Polyester or 65% Polyester/35% Cotton Blend
3.3.2.2	Weight (ASTM D 751, Sample Method)	125-135 g/m ²

3.4 PHYSICAL PROPERTIES

3.4.1	Breaking Strength (ASTM D751, Grab Method)	
	WMD	480 N min
	AMD	455 N min
3.4.2	Tear Strength (ASTM D751, Trapezoid Tear)	
	WMD	145 N min
	AMD	145 N min
3.4.3	Seam Strength (FLTM BN 119-01)	
	WMD	500 N min
	AMD	480 N min

4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification. Contact gmfs@ford.com for questions concerning Engineering Material Specifications.

5. SUMMARY OF REVISIONS