



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

WSS-M2F212-A1

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

WSS-M2F212-A4

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.

WSS-M2F212-A4 was released originally for material used in interior trim as a perforated covering for seat 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 topcoat polyvinyl chloride for Ford and Lincoln vehicles.

Areas where anti-squeak properties are required, WSS-M2F212-A vinyl cannot be used.

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

3. REQUIREMENTS

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

3.1 APPROVED SOURCES

This specification requires the use of approved sources. Only the sources identified on the Ford Approved Source List (ASL) can be used when this specification is listed on the drawing, CAD file, or other documents. The list of approved sources is located within Ford at www.mats.ford.com or available externally through a Ford Materials Engineer.

3.2 CONDITIONING AND TEST CONDITIONS

Date	Action	Revisions	Rev. 1
2017 09 01	Released-A4		Z. Jatkowski, NA
2015 03 02	Released		L. Murtonen, NA



All test values are based on material conditioned for not less than 24 h prior to testing in a controlled environment of 23 +/- 2 °C and 50 +/- 5% relative humidity. Testing of the material should occur in the conditioning environment or soon after removal.

3.3 COMPOSITION

3.3.1 Vinyl Coated Fabric Composite

3.3.1.1 Weight (ASTM D 751, Sample Method)

Total (vinyl and supported fabric)

A1

820 – 945 g/m²

A4

Report

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/m²

3.4 PHYSICAL PROPERTIES

3.4.1 Breaking Strength (ASTM D751, Grab Method)

A1

WMD

480 N min

AMD

455 N min

A4

WMD

Report

AMD

Report

3.4.2 Tear Strength (ASTM D751, Trapezoid Tear)

A1

WMD

145 N min

AMD

145 N min

A4

WMD

Report

AMD

Report

3.4.3 Seam Strength (FLTM BN 119-01)

A1

WMD