



**FABRIC, PVC COATED WITH PREMIUM HAPTIC TOPCOAT,
ACTIVEX, HEAVY DUTY BACKING**

WSS-M2F212-A11

**FABRIC, PVC COATED WITH PREMIUM HAPTIC TOPCOAT,
ACTIVEX, HEAVY DUTY BACKING, PERFORATED**

WSS-M2F212-A14

1. SCOPE

The material defined by this specification is an expanded PVC film laminated to a backing fabric that retains strength once perforated.

2. APPLICATION

This specification was released originally for material to be used in perforated inserts unlaminated for seats with climate control systems.

Product grain will be used to determine and classify the usage ActivEx vinyl for Ford and Lincoln programs.

2.1 LIMITATIONS

Material does not provide anti-squeak properties. If anti-squeak properties are required use WSS-M2F186-A2/latest

3. REQUIREMENTS

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

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 CONSTRUCTION

3.3.1 Weight
(ASTM D751, Sample method)

A11

960 +/- 50 g/m²

A14

Report

3.3.2 Thickness

0.9-1.2 mm

Date	Action	Revisions	Rev. 0
2018 06 13	Released		



3.4 PHYSICAL PROPERTIES

Rubber coated grips may be required to prevent material slipping from test grips.

*WSS-M2F212-A14 samples shall have enhanced micro perforation pattern or perforation pattern approved by Ford Materials Engineering for construction approval. Perforation pattern shall be noted on the submitted data sheet.

3.4.1 Breaking Strength (ASTM D751, grab method)

	A11	A14*
WMD	1400 N min	550 N min
AMD	1500 N min	350 N min

3.4.2 Tear Strength (ASTD D751, Trapezoid tear)

	A11	A14*
WMD	180 N min	80 N min
AMD	180 N min	90 N min

3.4.3 Seam Strength (FLTM BN 119-01)

	A11	A14*
WMD	Report only	550 N min
AMD	Report only	400 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.

4.1 APPROVAL OF MATERIALS

Suppliers desiring approval of their materials shall first obtain an expression of interest from Purchasing, Design or Product Development, and Materials Engineering. The supplier shall submit a completed copy of their laboratory test reports, signed by a qualified and authorized representative of the test facility, demonstrating full compliance with all the requirements of the Material Specification. Tested material samples must be available for review upon request and kept for a minimum of one year. Upon request, the supplier will review the associated quality control documents (Process Failure Mode and Effects Analysis, Control Plans, Certification testing) with Ford.

4.2 SUPPLIER'S ONGOING RESPONSIBILITY

All materials must be equivalent in all characteristics to the material upon which approval was originally granted.

Prior to making any changes to the material originally approved, whether or not such changes affect the material's ability to meet the specification requirements, the supplier shall notify the affected Supplier Technical Assistance (STA), Purchasing, and Materials Engineering activities of the proposed changes (with reasons) by submission of a completed Suppliers Request for Engineering Approval, SREA.