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**
FABRIC, VINYL COATED, MULTI-PURPOSE FOR PERFORATION	**WSS-M2F186-A4**
FABRIC, VINYL COATED, ANTI-SQUEAK FINISH FOR PERFORATION	**WSS-M2F186-A5**

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.

WSS-M2F186-A4 was released originally for material used in interior trim as a perforated covering for seat applications in passenger vehicles.

WSS-M2F186-A5 was released originally for interior applications that require an anti-squeak finish and perforation

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

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.

Date	Action	Revisions	Rev. 3
2015 02 25	A4 and A5 Activated	Release A4 and A5	D.Murtonen, FNA
2011 05 12	A3-Activated A1/A2-Revised	Editorial revision A1/A2 (para 2 & 3)	Mark Montgomery, Sorina Stanciu
2009 05 21	A2-Activated		M. Dumitrescu, V. Bankowski

Documents
Document Sharing Hub

Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD WSS-M2F186-A4 2015
Copyright © 2015, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,

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)

3.2 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)	
	A1-A3	
	WMD	350 N min
	AMD	350 N min
	A4-A5	
	WMD	Report Only
	AMD	Report Only
3.4.3	Tear Strength (ASTM D751, Trapezoid Tear)	
	A1-A3	
	WMD	70 N min
	AMD	120 N min
	A4-A5	
	WMD	Report Only
	AMD	Report Only

--`,,```,,,,````-`-`,,`,,`,`,,`---

Documents
Document Sharing Hub

Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD WSS-M2F186-A4 2015

Copyright © 2015, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,