



VINYL FILM (PVC), FORMED HEADLINER GRADE

WSB-M2F59-D

1. SCOPE

The materials defined by this specification are polyvinyl chloride or polyvinyl chloride copolymer unsupported films.

2. APPLICATION

This specification was released for material used as the visible cover material in a formed fiberglass headliner assembly using polyether polyurethane foam.

3. REQUIREMENTS

In addition to the requirements listed herein, this material shall meet all requirements of the WSB-M8P3-C performance specification. In addition, when the material is used in a unitized headliner assembly, or bonded to any substrate, it shall also meet the requirements of WSD-M15P27-C, when tested as an assembly. Any other applications of this material would require prior approval of Materials Engineering.

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

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

3.4 THICKNESS, range 0.35 +/- 0.05 mm
(SAE J882)

or as specified on the engineering drawing.

3.4.1 Density, max 1.41 g/cm³
(ISO 1183 Method A/
ASTM D 792 Method A)

3.5 FOGGING

(SAE J1756, 3 h at 100 °C heating, 21 °C cooling
plate, post test conditioning 1 h and 16 h)

Fog Number, min 60

Formation of clear film, droplets or crystals is cause for rejection.

3.6 TENSILE STRENGTH, min 12.8 MPa
(ISO 37 type 1 dumb-bell/
ASTM D 412, Method A, Die C)

Date	Action	Revisions
2003 08 26	Revised	Para 3.0 inserted; Para 3.1, 3.2, 3.3, 3.11, 4 deleted
1995 03 10	Revised	Revised para 3.4 B.H. Chen L.A. Graham
1995 01 31	Activated	B.H. Chen L.A. Graham



3.7 ADHESION STRENGTH

These materials shall give satisfactory performance when bonded to approved foam and/or foundation materials. The laminate shall also be compatible with the binding resins used in approved foundation boards. The peel adhesion strength of a bond shall be as specified in the assembly specification or as specified on the engineering drawing.

3.8 FLEXIBILITY AFTER AGING

When the test specimens exposed to heat age or fade tests of WSBM8P3-C are folded 180° upon themselves (embossed side out), they shall not crack.

3.9 DIMENSIONAL STABILITY, max (SAE J883, without water immersion, 15 minutes at 100 °C)

WMD	4.5%
AMD	1.5%

3.10 FLAMMABILITY (ISO 3795/SAE J369)

Burn Rate, max	100 mm/minute
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5. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification.

5.1 RECYCLING CODE

>PVC<