

**FLEXIBLE COVERSTOCK, SLUSH MOLDABLE POLYVINYL
CHLORIDE (PVC), DOOR TRIM PANEL****WSS-M4D985-A2****1. SCOPE**

The material defined by this specification is a dry blended slush molded polyvinyl chloride skin that is both UV and heat stabilized and is used as a formed door trim panel coverstock.

2. APPLICATION

This specification was released originally to be used as flexible cover stock for the door trim panel of the Navigator.

3. REQUIREMENTS

This material must also meet the requirements in WSS-M15P4-E and any applicable SDS including but not limited to the INTRIM.

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 TEST SPECIMEN**3.2.1 Preparation of Test Specimens**

Unless otherwise specified, all tests shall be carried out on specimens die cut from unformed sheets.

3.2.2 Specific Gravity (+/- 0.1)
(ASTM D 792) 1.17

3.2.3 Hardness, Durometer
(15 s dwell, +/- 5) 75

3.2.4 Tensile Strength at Max Load, min
(ASTM D 638, 500 mm/minute test speed
machine and transverse direction) 10 MPa

3.2.4.1 Elongation at Break, min
(Test Method according to
para 3.2.4) 250%

Date	Action	Revisions
2006 12 08	Activated	





3.2.5	Cold Flexibility at -40 °C (180° bend over a 20 +/- 1 mm diameter mandrel, sample size 50 x 150 +/- mm)	No cracks
3.2.6	Tear Strength, min (ASTM D 1004, 50 mm/minute test speed.)	40 kN/m
3.2.7	Heat Aging Performance (ISO 188, except 150 +/- 50 air changes/h, 1000 h at 120 °C, unaged property values shall be determined at the time of the aged properties determination)	
3.2.7.1	Tensile Strength Change, max.	+/- 25%
3.2.7.2	Elongation at Break, Change from Original Value, max	+/- 50% (100% absolute elongation minimum)

3.3 FOGGING

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

Fog Number, min 70

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

3.4 FLAMMABILITY

(ISO 3795)

Burn Rate, max 100 mm/minute

The specimen size required for material approval is approximately 355 x 100 x extruded
coverstock thickness not to exceed 13 mm. The thickness must be documented on the report.

3.5 ODOR

(FLTM BO 131-01)

Rating 2

3.6 MATERIAL PERFORMANCE TESTING

The materials approved to this specification must meet the performance specification
WSS-M15P4-E for Door Trim Panels and the applicable SDS such as the INTRIM-SDS. Once
documentation is provided that this testing is complete the material will be added to the
approved source list.