

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FABRIC, VINYL COATED (PVC), CONVERTIBLE TOP BINDING

WSB-M2F184-A

1. SCOPE

The material defined by this specification is a calendered polyvinyl chloride copolymer film laminated to a cotton drill fabric.

2. APPLICATION

This specification was released originally for material used as a binding for convertible tops.

3. REQUIREMENTS

In addition to the requirements listed herein, this material shall meet all requirements of the WSB-M8P3-C, PERFORMANCE, FLEXIBLE POLYMERIC FILM, INTERIOR QUALITY material performance specification.

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 APPEARANCE (FLTM BI 109-01)

The color, pattern and finish shall match the approved master sample, or shall be as specified on the engineering drawing.

3.5 BACKING FABRIC

100 % cotton drill

3.6 WEIGHT, g/m², range (ASTM D 751, Sample Method)

	LSL	AVERAGE	USL
Coating	249	266	283
Fabric	124	140	156
Total	373	406	439

Date	Action	Revisions
2003 01 13	Revised	Para 3.0 inserted ; Para 3.1, 3.2, 3.3, 3.15, 4 deleted
1993 06 14	NB00I10043054256	Released J.D. Salow A.J. Stocki

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3.7 RESISTANCE TO TEAR,
Trapezoid, N, min
(ASTM D 1117, *Integration Method)

Warp	16	22	N/A
Fill	16	25	N/A

*As approved by the responsible Materials Engineering Activity.

3.8 BREAKING STRENGTH, N, min
(ASTM D 751, Grab Method)

Warp	178	359	N/A
Fill	167	302	N/A

**3.9 ADHESION OF VINYL FILM TO
BACKING FABRIC, N/50 mm width, min**
(FLTM BN 151-05, Method A/
ISO 2711)

Warp	36	40	N/A
Fill	36	40	N/A

3.10 STRETCH AND SET, %, range
(SAE J855)

	Stretch	Set
WMD	3 - 6	1 - 4
AMD	6 - 11	2 - 6

3.11 STIFFNESS, max
(ASTM D 747, direct reading at
60 ° angle with 0.01 N-m load)

WMD	25
AMD	15

The test specimens shall be 25 x 50 mm with 25 mm of the 50 mm dimension clamped into the jaw, 13 mm span from clamp to bending plate, fabric side up.

3.12 SHRINKAGE, max
(FLTM BN 105-01)

WMD	4.0 %
AMD	2.0 %