

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FABRIC, VINYL COATED (PVC), INTERIOR TRIM APPLICATIONS

WSB-M2F188-A

1. SCOPE

The material defined by this specification is a calendered polyvinyl chloride copolymer film laminated to a 65% / 35% polyester/cotton knit fabric

2. APPLICATION

This specification was released originally for material used in interior trim applications, and is not to be used as a covering for automotive seat cushions or backs.

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 (ASTM D 629)

65% / 35% polyester/cotton knit fabric

3.6 WEIGHT, g/m² (ASTM D 751, sample method)

	LSL	Average
Coating	575	611
Fabric	142	153
Total	730	779

Date	Action	Revisions
2003 01 14	Revised	Para 3.0 inserted ; Para 3.1, 3.2, 3.3, 3.16, 4 deleted
1994 05 19	NB00I10043054331	Released J.D. Salow A.J. Stocki

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3.7 RESISTANCE TO TEAR Trapezoid, N (ASTM D 117, Integration Method)

	LSL	Average
Warp	98	111
Fill	98	141

3.8 BREAKING STRENGTH, N (ASTM D 751, Grab method)

Warp	445	665
Fill	445	555

The vinyl coating shall not fail before the specified minimum breaking values are obtained.

3.9 SEAM STRENGTH, N (FLTM BN 119-01, except use lockstitch with 6 stitches/25 mm, 5 sample average in each direction)

Warp	445	578
Fill	445	578

3.10 ADHESION OF VINYL FILM TO BACKING FABRIC, N/50 mm width (FLTM BN 151-05, Method A/ISO 2411)

Warp	35	55
Fill	35	53

3.11 STRETCH AND SET, %. range (SAE J855)

Warp	Stretch 6 - 20 (12 average)	Set 0-25 of warp stretch
Fill	30 - 65 (56 average)	0-25 of fill stretch

3.12 DIMENSIONAL STABILITY, Room Temperature Aged, max (SAE J883, age 24 h at 23 +/- 2 °C and 50 +/- 5 % R.H.)

Warp	3.0 %
Fill	1.0%