

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FABRIC, VINYL COATED (PVC), EXPANDED, MULTI-PURPOSE

WSD-M2F190-A

1. SCOPE

The material defined by this specification is a micro perforated expanded vinyl coated knitted fabric.

2. APPLICATION

This specification was released originally for material used in interior trims as a covering for woodstock door panels.

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 except for SEAT BELT WEAR, RESISTANCE TO FLEX FOLD, BREAKING STRENGTH AND SEAM STRENGTH.

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* (See para. 4.1, General Information)

* Or engineering approved alternative.

3.6 WEIGHT, range (ASTM D 751, sample method)

Backing fabric	55 +/- 5 g/m ²
Total Fabric Backed and Vinyl Coating	820 +/- 50 g/m ²

Date	Action	Revisions
2003 01 14	Revised	Para 3.0 inserted ; Para 3.1, 3.2, 3.3, 3.15, 4 deleted
1994 10 31	C10348615	Released N.J. Komatsu

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3.7	THICKNESS, range (SAE J882)		
	TOTAL		1.2 +/- 0.1 mm
3.8	RESISTANCE TO TEAR (Trapezoid), min (ASTM D 1117)		
	Warp		75 N
	Fill		75 N
3.9	BREAKING STRENGTH, min (ASTM D 751, grab method)		
	Warp		350 N
	Fill		350 N
3.10	ADHESION STRENGTH, min (FLTM BN 151-05, Method A/ISO 2411)		
	Vinyl to Backing		
	Warp		40 N / 50 mm
	Fill		30 N / 50 mm
3.11	STRETCH AND SET, %, range (SAE J855)		
		Stretch	Set
	Warp	35-65	0-5
	Fill	70-110	0-15
3.12	MODULUS, max (5 % strain, 50 mm width sample, 100 mm jaw separation. 125 mm/minute jaw speed, 2 N preload)		
	Warp		20 N
	Fill		15 N
3.13	STIFFNESS, max (ASTM D 747, direct reading at 60° angle with a 0.01 Nm moment weight)		
	Warp		30
	Fill		25