



FABRIC, VINYL COATED, MULTI-PURPOSE
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WSD-M2F172-A
WSD-M2F172-B
WSD-M2F172-C
WSD-M2F172-D

1. SCOPE

The material defined by these specifications is a calendered polyvinyl chloride copolymer film laminated to a nonwoven polyester fabric. In specifications WSD-M2F172-B/C/D, the vinyl coated fabric (WSD-M2F172-A) is flame laminated to polyether foam and a knitted backing scrim.

2. APPLICATION

These specifications were released originally for material used in interior trim as a covering for automotive seat 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 REINFORCING FABRIC*

3.4.1 Composition (ASTM D 629) 100% Polyester

3.4.2 Construction

The fabric is a good quality non-woven material bonded by a mechanical needling process to polyurethane foam. The fiber size and staple length shall be as agreed between the supplier and the Materials Engineering Activity.

3.4.3 Breaking Strength, min
(ASTM D 1682, GT, test speed 300 mm/minute)

WMD 150 N
AMD 200 N

* or engineering approved alternative.

Date	Action	Revisions
2003 08 27	Revised	Para 3.0 inserted; Para 3.1, 3.2, 3.3, 3.7, 4 deleted
1993 11 12	C10351585	Released -B, -C, -D; revised 3.5.5 NJK
1992 05 13	C10213035	Released N Komatsu

**3.5 VINYL COATED FABRIC**

3.5.1	Weight, min (ASTM D 751, sample method)		
	Vinyl coating		490 g/m ²
	Backing Fabric		120 g/m ²
	Total		610 g/m ²
3.5.2	Breaking Strength, min (ASTM D 751, GT, Grab method)		
	WMD		450 N
	AMD		450 N
3.5.3	Tear Strength, min (ASTM D 1117, Integration method)		
	WMD		100 N
	AMD		150 N
3.5.4	Seam Strength, min (FLTM BN 119-01)		
	WMD		450 N
	AMD		450 N
3.5.5	Stretch and Set, range (SAEJ 855)		
		Stretch	Set
	WMD	15 - 50%	0 - 10%
	AMD	15 - 50%	0 - 10%
3.5.6	Stiffness, range (ASTM D 747, direct reading at 60°, Span 10 mm, Load 150 cmg)		
	WMD		6 - 16
	WMD		6 - 16

Note: Specimens to be tested with vinyl side down.