

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

**FABRIC, WOVEN ACRYLIC, LAMINATE CONVERTIBLE
TOP MATERIAL**

WSS-M2F196-A

1. SCOPE

The material defined by this specification is a convertible top material. It consists of an acrylic facing and a polyester/cotton sheeting liner bonded by an elastomeric inner layer.

2. APPLICATION

This specification was released originally for material used as an outside convertible top material.

3. REQUIREMENTS

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).

3.3 APPEARANCE (FLTM BI 109-01)

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

3.4 COMPOSITION

Face Fabric	100 % solution dyed acrylic fiber
Inner Layer	Thermoplastic elastomer
Backing Fabric	65 % polyester 35 % cotton

3.5 FACE FABRIC

3.5.1 Construction , min (ASTM D 3775)

Warp	24 ends/cm
Fill	10 picks/cm

Date	Action	Revisions
2003 01 13	Revised	Para 3.0 inserted; para 3.1, 3.2, 3.3, 3.26, 4 deleted
1999 03 19	Activated	D. Henrickson

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3.6 BACKING FABRIC

3.6.1 Construction, min
(ASTM D 3775)

Warp
Fill

24 ends/cm
12 picks/cm

3.7 THICKNESS
(ASTM D 751)

1.00 - 1.30 mm

3.8 WEIGHT, range
(FLTM BN 106-01)

Fabric Face
Adhesive Layer
Backing Fabric

250 - 300 g/m²
260 - 400 g/m²
140 - 170 g/m²

Total

760 - 880 g/m²

3.9 SHRINKAGE, max
(SAE J883)

Warp
Fill

1.0 %
0.5 %

3.10 BREAKING STRENGTH, min
(ASTM D 751, Grab Method, 300 mm/minute jaw
speed, average of 5 samples in each direction)

Warp
Fill

900 N
700 N

3.11 TEAR STRENGTH, TRAPEZOID, min
(ASTM D 5733, average of 5 samples
in each direction)

Warp
Fill

150 N
90 N

3.12 STRETCH AND SET
(SAE J855)

	Stretch	Set
Warp	0 - 3 %	0 - 1 %
Fill	2 - 7 %	0 - 1.5 %