

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FABRIC, ALCANTARA PATTERN, NON - WOVEN

WSS-M1H875-A

1. SCOPE

The material defined by this specification is a needle punched non woven fabric, made from 0.155 dtex polyester microfiber, impregnated with micro-porous polyurethane. For seating applications this fabric can be adhesive laminated to a knitted scrim or woven backing fabric.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for the 2002 Model Year.

3. REQUIREMENTS

In addition to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P18-A1/A2/A3/A4 as applicable.

Material specification requirements are to be used for initial qualification of materials.

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 FABRIC CONSTRUCTION

3.4.1 Fabric Weight, range (FLTM BN 106-01) 200 - 260 g/m²

Flame Retardant Backcoating 46 - 70 g/m²

Seating applications:

Knitted Backing Scrim* 50 – 70 g/m²

Alternative Woven Backing:

Woven backing or as approved by Materials Engineering* 115 – 135 g/m²

*This is adhesively bonded by hot melt lamination with a co-polyester glue, or Engineering Approval alternative. 17 – 21 g/m²

Date	Action	Revisions
2003 04 16	Revised	Para 3.0 inserted; Para 3.1, 3.2, 3.3, 3.9, 3.10, 4 deleted
2001 10 10	Activated	N. J. Komatsu

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3.4.2 Fiber Construction
(ASTM D 1244)

0.155 dtex Polyester Microfiber impregnated with Micro-Porous Polyurethane

3.5 COMPOSITION
(ASTM D 629)

Fabric	68% Polyester 32% Polyurethane
Knitted Backing Scrim	100% Polyester
Alternative Woven Backing	65% polyester, 35% cotton (or as approved by Material Engineering)

3.6 METHOD OF DYEING

Piece dye, closed jet, or
as approved by
Materials Engineering

3.7 FINISHING OPERATIONS

Dry, heatset, inspect or
as approved by
Materials Engineering

3.8 FLAMMABILITY
(ISO 3795/SAE J369)

Burn rate, max	100 mm/minute
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Note: Not required on face fabric when used as a fully bonded composite.

5. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification:

- 5.1** Purchase departments will ensure that both materials defined in this specification and shipped to any one assembly plant will be produced by one supplier only.