



**FABRIC, MANHATTAN II PATTERN, FLAT WOVEN
40% PIR/PCR UNLAMINATED**

WRS-M1H1169-B1

**FABRIC, MANHATTAN II PATTERN, FLAT WOVEN
100% PIR/PCR UNLAMINATED**

WRS-M1H1169-B2

1. SCOPE

The material defined by this specification is a woven Jacquard face fabric. The fabric is made with 40% PIR/PCR (Post industrial/post-consumer) recycled yarn.

2. APPLICATION

WRS-M1H1169-B1 specification was released originally for material used as an interior trim fabric for S-Max EU as seat insert. The fabric was approved as backcoated and trilaminated.

WRS-M1H1169-B2 specification was release originally for material used as an interior trim fabric for CD391 NA as seat insert. The fabric was approved as backcoated and laminated with foam.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A). Materials with recycled content as defined by WRS-M99P42-A2 (*Textile Materials, Identification of Recycled Content*) should be used whenever technically feasible.

- 3.1.1 This specification must contain 40% recycled content as defined by WRS-M99P42-A2. The remaining portion of the material can come from virgin sources.
- 3.1.2 This specification must contain 100% recycled content as defined by WRS-M99P42-A2.
- 3.1.3 In addition to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P18-B1/B2/B3/B4 as applicable.

3.2 FABRIC CONSTRUCTION

- 3.2.1 Fabric Count, +/- 10% tolerance
(ASTM D 3775)

Warp 880 ends/10 cm

Weft 295 picks/10 cm

- 3.2.2 Fabric Weight, +/-10 % tolerance,
(FLTM BN 106-01)

Face fabric 310 g/m²
Backcoat 50 g/m²
Total weight 360 g/m²

Date	Action	Revisions	Rev 00
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Documents

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3.3 COMPOSITION (ASTM D 629)

Tolerance as specified in WSS-M8P18-B1/B4

Fabric	100% Polyester
Backcoating	Acrylic
Backing scrim	Circular knit polyester

3.4 YARN CONSTRUCTION (ASTM D 1244)

	WRS-M1H1169-B1	WRS-M1H1169-B2
Warp	167dtex (semi-dull polyester yarn) x 1	167 dtex (100% recycled semi-dull polyester yarn) x 1
Weft	167 dtex (100% recycled semi-dull polyester yarn) x 2	167 dtex (100% recycled semi-dull polyester yarn) x 2

3.5 METHOD OF DYEING

Piece dye/Solution dye

3.6 FINISHING OPERATIONS

wash, dye, dry, tenter, backcoated,
Or as approved by Materials Engineering

4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification. Contact gmfs@ford.com for questions concerning Engineering Material Specifications.

- 4.1 Purchase departments will ensure that the material defined in this specification and shipped to any one assembly plant will be produced by one supplier only.
- 4.2 The global strategy is to use Tri-Laminate construction in all regions.
- 4.3 If yarn is locally sourced it must meet the above fabric construction, composition and Yarn construction. The fabric must also meet the requirements of WSS-M8P18-B1/B2/B3/B4.