



ENGINEERING MATERIAL SPECIFICATION

**CARPET, 182 PATTERN, RECYCLED POLYESTER, NON WOVEN,
RANDOM VELOUR, POLYETHYLENE MOLDABLE BACKING**
680 g/m² (20 oz)

WRS-M3H182-A1

1. SCOPE

The materials defined by these specifications are random velour, needled, nonwoven carpets of good quality and uniform composition. The carpet face is made with 100% post consumer recycled fiber.

2. APPLICATION

This specification was released originally for Fiesta MY 2017 main floor carpet.

3. REQUIREMENTS

3.1 APPROVED SOURCES

This specification requires the use of approved sources. Only the sources identified on the Ford Approved Source List (ASL) can be used when this specification is listed on the drawing, CAD file, or other documents. The list of approved sources is located within Ford at www.mats.ford.com or available externally through a Ford Materials Engineer.

3.2 CONDITIONING AND TEST CONDITIONS

All test values are based on material conditioned for not less than 24 h prior to testing in a controlled environment of 23 +/- 2 °C and 50 +/- 5% relative humidity. Testing of the material should occur in the conditioning environment or soon after removal.

3.3 PERFORMANCE CRITERIA

3.3.1 In addition to the requirements listed herein, the end-item floor carpet shall be tested to WSS-M8P16-B and any additional SDS requirements. The details for each of the suppliers specific construction shall be documented in the supplement attached and uploaded into the scanned data package.

3.3.2 Vehicle Interior Environment Quality Materials/Component Performance Requirements

Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/ latest. Data must be included at the appropriate program milestone.

Date	Action	Revisions	Rev 00
2017 03 17	Released		

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3.3.3 Recycled Content

This specification must contain 100% recycled content as defined by WRS-M99P42-A2, *Textile Materials, Identification of Recycled Content*.

3.4 SAMPLE SELECTION

All evaluations shall be conducted on test specimens taken from finished roll goods prior to any subsequent operations, such as reheating or molding.

3.5 APPEARANCE

The color, pattern, and gloss shall match the approved Corporate Design master sample.

3.6 COMPOSITION

3.6.1	Face Fiber (ASTM D276)	100% Recycled Polyester
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3.6.2	Binder Fiber (ASTM D276)	100% Recycled Polyester
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3.6.3	Primary Backing (ASTM D276)	Polyethylene
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3.7 METHOD OF DYEING

Solution dyed

3.8 CONSTRUCTION

3.8.1	Face Fiber (ASTM D 1244)	67% 17dtex 23% 13 dtex
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3.8.2	Binder Fiber (ASTM D 1244)	10% 4.4 dtex
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Denier range approved for each supplier's construction can be found in the scanned data package.

3.9 THICKNESS* (ISO 1765)

5.5 +/- 0.7 mm

*Face thickness prior to molding.

3.10 WEIGHT

3.10.1	Face and Binder Fiber (ASTM D5848)	(612-748) g/m ² (18.1 – 22) oz
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3.10.2	Primary Backing (ASTM D5848)	144-176 g/m ² (4.3 – 5.2) oz
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