



ENGINEERING MATERIAL SPECIFICATION

**CARPET, 211 PATTERN, RECYCLED POLYESTER, NON WOVEN,
RANDOM VELOUR, NEEDLED, LATEX PRE COAT
800 g/m² (23.6 oz)**

WRS-M3H211-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 90% post consumer recycled fiber.

2. APPLICATION

This specification was released originally for Galaxy MY15 rear quarter trim carpet localization.

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 data package.

3.3.2 Recycled Content

This specification must contain 90% 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.

Date	Action	Revisions	Rev 00
2018 06 13	Released		

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3.6 COMPOSITION

3.6.1	Face Fiber (ASTM D276)	Recycled Polyester
3.6.2	Pre Coat (ASTM D276)	Latex

3.7 METHOD OF DYEING

Solution

3.8 CONSTRUCTION

3.8.1	Face Fiber (ASTM D 1244)	10.8 Denier
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3.9 THICKNESS* (ISO 1765)

6.5 +/- 1.0 mm

*Face thickness prior to molding.

3.10 WEIGHT

3.10.1	Face Fiber (ASTM D5848)	720 - 880 g/m ² (21.2 – 26) oz
3.10.2	Pre Coat (ASTM D5848)	36 - 44 g/m ² (1.1 – 1.3) oz

4. GENERAL INFORMATION

This 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.