CARPET, RECYCLED POLYESTER, NON WOVEN, FLAT NEEDLED, LATEX BACKED, 700 g/m^2 (20.6 oz) 100% PCR CONTENT **WRS-M3H168-A1**

1. SCOPE

The material defined by this specification is flat needled, nonwoven carpet of good quality and uniform composition. The carpet face is made with 100% post consumer fiber.

2. APPLICATION

This specification was released originally for the Ecosport 2018 MY trunk 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-M15P32-D 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.

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

Date	Action	Revisions	Rev 00
2016 11 17	Released		M. Souza, SA

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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)	Polyester (100% PCR)
3.6.2	Primary Backing (ASTM D276)	Latex

3.7 METHOD OF DYEING Solution dyed

3.8 CONSTRUCTION

3.8.1	Face Fiber (ASTM D 1244)	14 Denier

3.9 THICKNESS* 3.0 +/- 1.0 mm

*Face thickness prior to molding.

3.10 WEIGHT

3.10.1	Face Fiber (ASTM D5848)	630 - 770 g/m^2 (18.6 - 22.7) oz/yd^2
3.10.2	Primary Backing (ASTM D5848)	225 - 275 g/m^2 (6.6 – 8.1) oz/yd^2

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.

4.1 DRAWING CALL OUT

The following shall be called out on the Engineering drawing to correctly designate the approved material.

WRS-M3H168-A1
Supplier Name and Product Code (As it appears on the Approved Source Listing)
WSS-M15P32-D

4.2 APPROVAL OF MATERIALS

Suppliers desiring approval of their materials shall first obtain an expression of interest from Purchasing, Design or Product Development, and Materials Engineering. The supplier shall submit a completed copy of their laboratory test reports, signed by a qualified and authorized representative of the test facility, demonstrating full compliance with all the requirements of

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