



ENGINEERING MATERIAL SPECIFICATION

**CARPET, 100% PIR RECYCLED POLYESTER, NON WOVEN,
DILOUR, FUSED BACK, 350 G/M² (10.0 OZ) FACE**

WRS-M3H155-A3

1. SCOPE

The materials defined by this specification are dilour, polyester, non-woven carpets of good quality and uniform composition. This carpet is a solid color matched carpet.

2. APPLICATION

This specification was originally released for moldable cargo systems with a solid color matched face.

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 must 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 Recycled Content

This specification must contain 85% 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. 01
2017 11 16	Revised	See Summary of Revisions	L. Pollard, NA
2016 05 24	Released		L. Sinclair, NA

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3.6 COMPOSITION

3.6.1 Face Fiber (ASTM D276) Polyester (85% PCR)

3.6.2 Binder (ASTM D276) Low Melt Polyester or Polypropylene*

*As defined in the approval package.

3.7 METHOD OF DYEING

Solution dyed

3.8 CONSTRUCTION

3.8.1 Face Fiber (ASTM D1244) 6 Denier (6.7 dtex)

3.9 THICKNESS (ISO 1765)

3.1 +/- 0.7 mm

3.10 WEIGHT

3.10.1 Face Fiber (ASTM D5848) 277 - 339 g/m² (8.2-10) oz

3.10.2 Binder (ASTM D5848) 18 - 46 g/m² (0.5 – 1.4) oz

3.10.2 Total Weight (ASTM D5848) 295 - 385 g/m² (8.7 – 11.4) 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.

4.1 DRAWING CALL OUT

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

WRS-M3H155-A3
Supplier Name and Product Code (As it appears on the Approved Source Listing)
WSS-M8P16-B