



**CARPET, POLYESTER, NON WOVEN, FLAT FELT,
NEEDED, 203 g/m² (6 oz) NOMINAL FACE,
KENAF BACKED, MOLDABLE**

WRS-M3H105-A16

1. SCOPE

The materials defined by these specifications are flat needed, nonwoven carpets of good quality and uniform composition used for molded applications. The carpet face is made with 100% post industrial fiber and post consumer fibers. The backing is made with a 35% natural fiber component which is needed to the face carpet.

2. APPLICATION

This specification was released originally for moldable trunk components.

2.1 LIMITATIONS

This material may only be used in the molded condition. Unmolded material will rope.

3. REQUIREMENTS

In addition to the requirements listed herein, the end-item floor carpet shall be tested to WSS-MX15P32-D/latest and any additional SDS requirements. The details for each of the suppliers specific construction shall be documented in the supplement attached and uploaded in the scanned data package.

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).

3.1.1 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 in material submission package.

3.1.2 Recycled Content

The face material must contain 100% recycled content as defined by WRS-M99P42-A2 (*Textile Materials, Identification of Recycled Content*).

3.2 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.

Date	Action	Revisions	Rev 00
2014 09 24	Released		

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3.3 APPEARANCE (FLTM BI 109-01)

The color, pattern, and finish shall match the approved Design Center master sample, or shall be as specified on the engineering drawing.

3.4 COMPOSITION

3.4.1	Face Fiber (ASTM D276)	100% PIR/PCR Polyester
3.4.2	Moldable Substrate (ASTM D276)	35% Kenaf/ 25% Cotton Shoddy/ 40% Polypropylene
3.4.3	Scrim (ASTM D276)	Polyester

3.5 METHOD OF DYEING

Solution Dyed

3.6 CONSTRUCTION

3.6.1	Face Fiber (ASTM D 1244)	6 Denier
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3.7 THICKNESS

3.7.1	Face Thickness* (ISO 1765)	3.0 +/- 0.3 mm
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*Face thickness prior to molding.

3.7.2	Moldable Substrate Thickness (ISO 1765)	8.0 +/- 1.0 mm
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3.8 WEIGHT

3.8.1	Face Fiber (ASTM D5848)	(183-223) g/m ² (5.4 – 6.6) oz
3.8.2	Moldable Substrate (ASTM D5848)	720-880 g/m ² (21.6 – 26.4) oz
3.8.3	Scrim (ASTM D5848)	115-140 g/m ² (3.4 – 4.1) 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