



**CARPET, POLYESTER, NON WOVEN, FLAT FELT,
NEEDED, ONE LAYER SYSTEM
300 G/M² (8.8 oz) NOMINAL**

WSS-M3H105-B5

**CARPET, POLYESTER, NON WOVEN, FLAT FELT,
NEEDED, ONE LAYER SYSTEM
850 G/M² (25 oz) NOMINAL**

WSS-M3H105-B6

1. SCOPE

The materials defined by these specifications are flat felt, needed, nonwoven carpets of good quality and uniform composition. The carpet face is made with 100% virgin face fiber and has no separate backing system since the backing is integrated into the face material. This material has a heathered gray coloration and is not a solid color, color match.

2. APPLICATION

The B5 specification was released originally for B car trunk load floor application. The B6 specification was released originally for B car side trim and deck lids.

3. REQUIREMENTS

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 FMD (Ford Materials Database) or 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. Test data to be provided by the Tier 1 at the appropriate program milestone.

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.

3.3 APPEARANCE (FLTM BI 109-01)

Date	Action	Revisions	Rev 00
2013 05 01	Released		

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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)	Virgin Polyester (white / black blend)
3.4.2	Binder Fiber (ASTM D276)	coPolyester / Polyester Bicomponent (Bico)

Note: The composition is a 60% /40% blend between the face fibers and binder fibers.

3.5 METHOD OF DYEING

Solution

3.6 CONSTRUCTION

3.6.1	Face Fiber (ASTM D 1244)	9 and 11 Denier
3.6.2	Binder Fiber (ASTM D1244)	4 Denier

3.7 THICKNESS*

3.7.1	Thickness (WSS-M3H105-B5) (ISO 1765)	2.0 +/- 0.2 mm
3.7.2	Thickness (WSS-M3H105-B6) (ISO 1765)	3.0 +/- 0.3 mm

*Face thickness after molding.

3.8 WEIGHT

3.8.1	Total Weight(B5 suffix) (ASTM D5848)	(270-330) g/m ² (7.9 – 9.7) oz
3.8.2	Total Weight (B6 suffix) (ASTM D5848)	(765 – 935)g/m ² (22.6 – 27.9) 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.