CARPET, BCF NYLON 6/6, CUT PILE, PRINCETON PATTERN, 390 g/m^2 (11.5 oz), POLYESTER BACKING — **WSS-M3H151-A1**

CARPET, BCF NYLON 6/6, CUT PILE, PRINCETON PATTERN, 390 g/m^2 (11.5 oz), MASS BACKING — **WSS-M3H151-A2**

CARPET, BCF NYLON 6/6, CUT PILE, PRINCETON PATTERN, 390 g/m^2 (11.5 oz), POLYETHYLENE BACKING — **WSS-M3H151-A3**

1. SCOPE

The materials defined by this specification are bulked continuous filament (BCF) nylon, cut pile carpets, tufted into a synthetic primary foundation.

2. APPLICATION

This material was originally released for F150 and Lincoln floors.

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 mat assembly shall be tested to WSS-M8P16-B/latest 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 or data package

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
(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.

Date	Action	Revisions	Rev. 3
2017 11 14	Revised	See Summary of Revisions	L. Pollard, NA
2016 06 27	Revised	See Summary of Revisions	L. Sinclair, NA
2013 10 28	Released		L. Sinclair, NA

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3.6 COMPOSITION

3.6.1	Pile Yarn (ASTM D 276)	Nylon 6/6
3.6.2	Primary Foundation (ASTM D 276)	100% Polyester
3.6.3	Back Coating (ASTM D 276)	Polyethylene
3.6.4	Secondary Backing (ASTM D 276)	
3.6.4.1	A1 Only	Polyester
3.6.4.2	A2 Only	Elastomer
3.6.4.3	A3 Only	Polyethylene

3.7 METHOD OF DYING Piece

3.8 CONSTRUCTION

3.8.1 Pile Yarn (ASTM D 1244) 1400 Denier

3.8.2 Pile Count (ISO 1763)

Rows / 100 mm	39.4
Stitches / 100 mm	40.0

Rows and stitches per 100 mm shall be based on an average count on a 254 mm length of carpet and shall not exceed the tolerance provided on the approved construction supplement for the approved material.

3.8.3 Needle Gauge 2.54 mm

3.9 THICKNESS

3.9.1 Pile Height (ISO 1765) 5.5 mm Nominal

Pile Height tolerances approved for each suppliers construction can be found in the construction package

3.9.2 Primary Foundation (ISO 1765) 0.57 +/- 0.11 mm

3.9.3 Back Coating (ISO 1765) 0.03 +/- 0.001 mm

The back coating shall thoroughly saturate the base of the pile fiber bundles to ensure adequate tuft lock. Penetration of the back coating through to the face shall be controlled to provide the required resistance to abrasion and fiber loss, but it shall not be visible on the face of the pile fiber.

3.9.4 Secondary Backing (ISO 1765) (mm) Report

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