



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

CARPET, BCF NYLON, MERINO PATTERN, PRECOATED, 600 g/m2
CARPET, BCF NYLON, MERINO PATTERN, LATEX BACKCOATED,
600 g/m2

WSS-M3H116-A1
WSS-M3H116-A2

1. SCOPE

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

WSS-M3H116-A1 is then precoated. The precoated carpet is then laminated to a barrier material for improved fit and acoustical properties.

WSS-M3H116-A2 is then coated with a latex backcoating.

2. APPLICATION

WSS-M3H116-A1 was released originally for material used as floor coverings on 1997 luxury vehicles.

WSS-M3H116-A2 was released originally for material used as accessory mats and trim for 1997 luxury vehicles.

3. REQUIREMENTS

In addition to the requirements listed herein, the end-item carpet assembly or mat assembly (molded or otherwise fabricated), shall meet all applicable performance specifications and/or requirements specified on the engineering drawing.

3.1 QUALITY SYSTEM REQUIREMENTS

Material suppliers and part producers must conform to Quality System Requirements, QS-9000. Material specification requirements are to be used for initial qualification of materials. A Control Plan for ongoing production verification is required. This plan must be reviewed and approved by the relevant Ford Materials activity and/or Ford Supplier Technical Assistance (STA) prior to production parts submission. Appropriate statistical tools must be used to analyze process/product data and assure consistent processing of the materials.

Part producers using this material in their products, must use Ford approved materials and must conform to a process control plan which has been approved by STA and/or the relevant Materials Activity.

Date	Action	Changes
1996 05 02	Activated	Y. Alaniva L. Graham

WP 3948-a

9009160 0012686 700

Page 1 of 6



3.2 INFRARED SPECTROPHOTOMETRY AND/OR THERMAL ANALYSIS

Ford Motor Company, at its option, may conduct infrared and/or thermal analysis of material/parts supplied to this specification. The IR spectra and thermograms established for initial approval shall constitute the reference standard and shall be kept on file at the designated material laboratory. All samples shall produce IR spectra and thermograms that correspond to the reference standard when tested under the same conditions.

3.3 CONDITIONING AND TEST CONDITIONS

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

3.4 SAMPLE SELECTION

All evaluations shall be conducted on test specimens taken from finished roll goods prior to any 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.

3.6 COMPOSITION
(ASTM D 276)

	A1	A2
Pile Yarn	Nylon	Nylon
Primary Foundation Material	*	*
Precoat	**	--
Backcoating	--	Latex

* As specified on the Approved Source List.

** As required to achieve specified tuft lock and fiber weight loss.

3.7 CONSTRUCTION

3.7.1 Pile Yarn
(ASTM D 1244)

105 - 115 tex t0 (nylon, crimped textured, bulked continuous filament, 1.0 - 1.5 tex).