



FABRIC, NYLON FLOCKED, VINYL (PVC) FOIL, FLOOR MAT BINDING

WSS-M2F216-A1

1. SCOPE

The material defined by this specification is a nylon based fabric of uniform construction.

2. APPLICATION

This specification was released originally for floor mat binding.

2.1 LIMITATIONS

This material can not be used anywhere other than floor mat bindings.

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

In addition to the requirements listed herein, the material must also meet the requirements of WSS-M8P24-A/ Latest, *Performance, Floor Mat Edging*.

3.4 FABRIC CONSTRUCTION

3.4.1 Weight (FLTM BN 106-01)

PVC	370 +/- 19 g/m ²
Flocking	130 +/- 30 g/m ²
Total	500 +/- 30 g/m ²

3.4.2 Thickness

1.10 +/- 0.1 mm

3.5 COMPOSITION (ASTM D 629)

Date	Action	Revisions	Rev. 0
2016 07 25	Released		





B Surface	100% PVC
A Surface	100% Nylon Flock

3.6 YARN CONSTRUCTION (ASTM D 1244)

A Surface	staple length 0.75 +/- 0.1 mm, 1.7 dtex
-----------	--

3.7 METHOD OF DYING

Piece

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 TYPICAL PHYSICAL PROPERTIES

4.1.1 Tensile Strength (ISO 1421)

Warp	13 daN/5 cm
Fill	13 daN/5 cm

4.1.2 Elongation (ISO 1421)

Warp	200 %
Fill	200 %

4.1.3 Tear Strength (ISO 4674)

Warp	0.5 daN
Fill	0.5 daN

4.1.4 Stretch and Set (SAE J855)

Warp	35 %
Fill	50 %

4.2 APPROVAL OF MATERIALS

Suppliers desiring approval of their materials shall first obtain an expression of interest from Purchasing, Design or Product Development, and Materials Engineering. The supplier shall submit a completed copy of their laboratory test reports, signed by a qualified and authorized representative of the test facility, demonstrating full compliance with all the requirements of the Material Specification. Tested material samples must be available for review upon request and kept for a minimum of one year. Upon request, the supplier will review the associated quality control documents (Process Failure Mode and Effects Analysis, Control Plans, Certification testing) with Ford.

4.3 SUPPLIER'S ONGOING RESPONSIBILITY