



LAMINATE, POLYESTER FABRIC, ADHESIVELY BONDED, SCRIM BACKING, LYRIC PATTERN, KNIT

WSS-M5H40-B3

1. SCOPE

The material defined by this specification is a Lyric pattern, knit fabric, adhesive laminated to a backing scrim. This material has a high level UV package included to support package tray applications.

2. APPLICATION

This specification was released originally for material used as cover material for package trays. Any other applications must be evaluated and approved by the responsible Materials Engineering activity.

2.1 LIMITATION

- Dark colors must use a dark colored backing to prevent read through.
- This material cannot be used alone. It must always be 100% bonded to a substrate. The material alone does not pass flammability.

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 PACKAGE TRAY PERFORMANCE

In addition to the requirements listed herein, the materials manufactured to this specification shall also meet the requirements contained in WSS-M15P6-E/latest.

3.4 VEHICLE INTERIOR ENVIRONMENTAL PERFORMANCE

Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/latest, *Performance, Vehicle Interior Environmental Quality Material/Component Requirements*. Data must be included in material submission package.

3.5 APPEARANCE

The color, pattern, and finish shall match the approved Corporate Design master sample.

3.6 COMPOSITION

Date	Action	Revisions	Rev. 0
2015 10 15	Released		



Documents
L. Sinclair, NA



3.6.1 Fabric (ASTM D276-12)	100% Polyester
3.6.1.1 Weight (FLTM BN 106-01)	
Face fabric only	105 g/m ² +/- (5%)
3.6.1.2 Fabric Count (ASTM D3887)	
Wales	130-161/10cm
Courses	130-161/10cm

4. GENERAL INFORMATION

The 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 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.

4.2 SUPPLIER'S ONGOING RESPONSIBILITY

All materials must be equivalent in all characteristics to the material upon which approval was originally granted.

Prior to making any changes to the material originally approved, whether or not such changes affect the material's ability to meet the specification requirements, the supplier shall notify the affected Supplier Technical Assistance (STA), Purchasing, and Materials Engineering activities of the proposed changes (with reasons) by submission of a completed Suppliers Request for Engineering Approval, SREA.

For parts and components using Ford Engineering Material Specifications, all samples tested to the specifications for Design Verification (DV), Production Verification (PV) and Production Part Approval Process (PPAP) sign off must be kept until Job 1.

4.3 RESTRICTED SUBSTANCE MANAGEMENT STANDARD

Substance restrictions imposed by regulations or Company direction applies to the materials addressed by this document. The restrictions are identified in the Restricted Substance Management Standard WSS-M99P9999-A1/latest which is updated yearly. It is the supplier's responsibility to comply with this standard on a continuing basis.

5. SUMMARY OF REVISIONS