ENGINEERING MATERIAL SPECIFICATION

Material Name	Specification Number
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, UNLAMINATED	WSS-M1H699-A
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, 3 mm	WSS-M1H699-B1
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H699-B2
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, 3 mm	WSS-M1H699-C1
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H699-C2
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H699-D2
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, HFW	WSS-M1H699-G
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, HFW	WSS-M1H699-H
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, HFW	WSS-M1H699-J
FABRIC, FLASH II PATTERN, WOVEN JACQUARD, HFW	WSS-M1H699-K

1. SCOPE

The material defined by this specification is a woven jacquard polyester face fabric which can be flame laminated to polyester or polyether urethane foam and backed with a knitted fabric. It can also be backed with an HFW weldable backcoating.

2. APPLICATION

This specification was released for material used for the Transit, intended for commercial vehicle applications.

WSS-M1H699-A is used for moulded headrests and also adhesive coated for use on inner door panels.

WSS-M1H699-B1, B2, C1, C2, are for seat wearing surfaces.

WSS-M1H699-D2 is used for adhesively bonded door and quarter trim panel applications

WSS-M1H699-G, H, J & K are used for inner door, quarter trim panels and/or as specified on Engineering Drawings.

FLASH PATTERN

WSS-M1H699-A	Unlaminated
WSS-M1H699-B1	3.0 mm, flame laminated to polyether foam and knitted fabric
WSS-M1H699-B2	6.0 mm, flame laminated to polyether foam and knitted fabric
WSS-M1H699-C1	3.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSS-M1H699-C2	6.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSS-M1H699-D2	6.0 mm, flame laminated to polyether foam

Date	Action	Changes
1996 04 12	Activated	N. J. Komatsu

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WSS-M1H699-G	HF-weldable vinyl film, adhesive bonded, or an engineering approved alternative
WSS-M1H699-H	HF-weldable acrylic backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative
WSS-M1H699-J	HF-weldable vinyl backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative
WSS-M1H699-K	HF-weldable PU backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative

3. REQUIREMENTS

In addition to the requirements listed herein, the fabric shall meet all requirements of WSB-M8P1-I including commercial vehicle requirements for wear properties.

3.1 QUALITY SYSTEM REQUIREMENTS

Material suppliers and past 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.

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.

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