ENGINEERING MATERIAL SPECIFICATION

Material Name	Specification Number
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, UNLAMINATED	WSS-M1H717-A
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 3 mm	WSS-M1H717-B1
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H717-B2
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 3 mm	WSS-M1H717-C1
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H717-C2
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H717-D2
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 3 mm	WSS-M1H717-F1
FABRIC, ARCO II PATTERN, WOVEN JACQUARD, 6 mm	WSS-M1H717-F2

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 either a knitted fabric or polyurethane film. It can also be backed with an HFW weldable backcoating.

2. APPLICATION

WSD-M1H717-A is used for moulded headrests and also adhesive coated for use on inner door panels.

WSD-M1H717-B1, B2, C1, C2, F1, F2 are used for seat wearing surfaces.

WSD-M1H717-D2 is used for adhesively bonded door and quarter trim panel applications.

ARCO II PATTERN

WSS-M1H717-A	Unlaminated
WSS-M1H717-B1	3.0 mm, flame laminated to polyether foam and knitted fabric
WSS-M1H717-B2	6.0 mm, flame laminated to polyether foam and knitted fabric
WSS-M1H717-C1	3.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSS-M1H717-C2	6.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSS-M1H717-D2	6.0 mm, flame laminated to polyether foam
WSS-M1H717-F1	3.0 mm, flame laminated to polyester foam and polyurethane film (EAO use only)
WSS-M1H717-F2	6.0 mm, flame laminated to polyester foam and polyurethane film (EAO use only)

Date	Action	Changes
1996 10 10	Activated	N. Komatsu

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3. REQUIREMENTS

In addition to the requirements listed herein, the fabric shall meet all requirements of WSB-M8P1-I.

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.

3.4 FABRIC CONSTRUCTION

3.4.1	Fabric Count, +/- 5 % tolerance (ASTM D 3775)	
	Warp	242 ends/10 cm
	Weft	150 picks/10 mm
3.4.2	Fabric Weight, range (FLTM BN 106-01)	285 - 315 g/m2

3.5 COMPOSITION (ASTM D 629)

Fabric	100 % polyester

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