Material Name	Specification Number
FABRIC, MARQUIS PATTERN, KNITTED, UNLAMINATED	WSS-M1H715-A
FABRIC, MARQUIS PATTERN, KNITTED, 3mm	WSS-M1H715-B1
FABRIC, MARQUIS PATTERN, KNITTED, 6mm	WSS-M1H715-B2
FABRIC, MARQUIS PATTERN, KNITTED, 3mm	WSS-M1H715-C1
FABRIC, MARQUIS PATTERN, KNITTED, 6mm	WSS-M1H715-C2

1. SCOPE

The material defined by this specification is a 3 bar 28 gauge, warp knitted simulated velour polyester bodycloth.

2. APPLICATION

These specifications were originally released for material used as interior trim fabrics.

MARQUIS PATTERN

WSS-M1H715-A	Unlaminated
WSS-M1H715-B1	3.0 mm flame laminated to polyether foam and knitted fabric
WSS-M1H715-B2	6.0 mm flame laminated to polyether foam and knitted fabric
WSS-M1H715-B2	6.0 mm flame laminated to polyether foam and knitted fabric
WSS-M1H715-C1	3.0 mm flame laminated to polyester foam and knitted fabric
WSS-M1H715-C2	6.0 mm flame laminated to polyester foam and knitted fabric

3. REQUIREMENTS

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

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.

Date	Action	Changes
1996 07 29	Activated	N. J. Komatsu

9009160 0012309 404

Copyright by the Ford Motor Company

Mon Aug 29 22:29:33 2016

Full document details: FORD WSS-M1H715-B1 1996

Documents
Document Sharing Hub

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 3887)	
	Wales	145 ends 10/cm
	Courses	235 picks 10/cm
3.4.2	Fabric Weight, range (FLTM BN 106-01)	310 - 390 g/m2 (350 average)

3.5 COMPOSITION (ASTM D 629)

Fabric	100 % polyester

3.6 YARN CONSTRUCTION (ASTM D 1244)

Pile	76 dTex f 24 (polyester, fully-dull)
Middle	78 dtex f 24 (polyester bright)
Back	78 dtex f 24 (polyester semi-dull)

3.7 METHOD OF DYEING Yarn dyed or as approved by Material Engineering

3.8 FINISHED OPERATIONS As approved by Material Engineering

3.9 REQUIREMENTS FOR POLYETHER FOAM As specified in WSD-M2D243-A2

3.10 REQUIREMENTS FOR BACKING FABRIC As specified in WSD-M9H125-B2

9009160 0012310 126

Copyright by the Ford Motor Company

Mon Aug 29 22:29:33 2016

Full document details: FORD WSS-M1H715-B1 1996

Documents
Document Sharing Hub