



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FABRIC, RUGBY PATTERN, WOVEN,

WSS-M1H800-A

1. SCOPE

The material defined by this specification is a Jacquard pattern, flat woven body cloth of good quality and uniform composition.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for 2001 Mazda Ranger seats. The fabric is used unbacked and laminated.

3. REQUIREMENTS

In addition, to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P18-A1/A4 as applicable.

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.

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.

Date	Action	Changes
1999 02 18	Activated	L. Daniv-Zarewych

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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

3.1.1 Fabric Count, +/- 5 % tolerance (ASTM D 3775)

Warp	245 ends/10 cm
Fill	175 picks/10 cm

3.1.2 Fabric Weight, range (FLTM BN 106-01)

441 - 488 g/m2

3.5 COMPOSITION

(ASTM D 629)

Tolerance as specified in WSS-M8P18-A1/A4

Fabric 100 % Polyester

Backcoating None

3.6 YARN CONSTRUCTION (ASTM D 1244)

Warp	79 tex f141 (airjet textured polyester)
Fill	79 tex f141 (airjet textured polyester)