



FABRIC, CHILTERN II, NON WOVEN

WSS-M5H44-A1

1. SCOPE

The material defined by this specification is for Chiltern II Pattern, needled nonwoven polyester fabric.

2. APPLICATION

This specification was released originally for material used as cover material for headliners.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

3.1.1 Materials manufactured to this Specification shall also meet the requirements contained in WSS-M8P27-A1/latest.

3.1.2 Material suppliers and part producers must conform to the Company's Standard Requirements for Production Materials WSS-M99P1111-A/latest.

3.1.3 Materials manufactured to this Specification may also meet the following applicable specifications:

- Headlining Formed Performance: WSS-M15P27- F/latest
- IP and Soft Interior Assembly Performance: WSS-M8P27-A1/latest.
- Sun visor Assembly Performance: WSS-M98P3-B/latest.
- 10% Transmittance Fixed Tinted Glass Sunshade: WSS-M5H33-B
- 0% Transmittance Moonroof/Sunroof : WSS-M5H34-B

3.1.4 Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/latest.

3.2 APPEARANCE

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

3.3 COMPOSITION

(ASTM D276-12)

Fabric 100% Polyester

3.3.1 Fiber Description and Construction 100% Polyester
(ASTM D 1244)

3.3-4.5dtex

3.3.2 Weight
(FLTM BN 106-01)

Fiber 246 +/-24 g/m²

Date	Action	Revisions	Rev. 0
2016 02 18	Released		





3.3.3 Method of Dyeing	Solution Dyed
3.3.4 Thickness, range (SAE J882)	1.9 - 2.4 mm

3.4 STRENGTH REQUIREMENTS

3.4.1 Tear Strength, Trapezoid (ASTM D 5733, Integration method)	
MD and AMD	100 N min
3.4.2. Original Breaking Strength (ASTM D 5034, Grab Method, 300mm/ minute jaw speed, average of 5 samples, each direction)	
MD and AMD	300 N min
3.4.3 Breaking Strength Retention after Resistance to Interior Weathering (FLTM BO 116-01, 225 kJ/m ²)	
3.4.3.1 Retained Breaking Strength (ASTM D 5034 Grab Method, 300 mm/min speed Average of 5 samples in each direction)	
MD and AMD	250 N min

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 further questions concerning Engineering Material Specifications.

5. SUMMARY OF REVISIONS