



FABRIC, CHILTERN II PATTERN, NON-WOVEN, FUSED BACK
210 g/m², RECYCLED

WRS-M5H44-A6

1. SCOPE

The material defined is a Chiltern II pattern needled non-woven polyester face fabric. A low melt polyester binder forms the backing. The face fiber is made with 85% post consumer fiber.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for Ecosport MY 2018 headliner component.

3. REQUIREMENTS

3.1 APPROVED SOURCES

This specification requires the use of approved sources. Only the sources identified on the Ford Approved Source List (ASL) can be used when this specification is listed on the drawing, CAD file, or other documents. The list of approved sources is located within Ford at www.mats.ford.com or available externally through a Ford Materials Engineer.

3.2 This specification must contain 25% minimum recycled content as defined by WRS-M99P42-A2/latest. The remaining portion of the material can come from virgin sources.

3.3 FABRIC PERFORMANCE

In addition to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P27-A1/latest as applicable.

Materials manufactured to this Specification may also need to meet the following applicable Specifications:

- Headlining Formed Performance: WSS-M15P27-F/latest
- IP and Soft Interior Assembly Performance: WSS-M15P45-A/latest
- Sun Visor Assembly Performance: WSS-M98P3-B/latest
- 10% Transmittance Fixed Tinted Glass Sunshade: WSS-M5H33-B/latest
- 0% Transmittance Moonroof/Sunroof: WSS-M5H34-B/latest

3.4 APPEARANCE

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

3.5 CONDITIONING AND TEST CONDITIONS

All test values are based on material conditioned for not less than 24 h prior to testing in a controlled environment of 23 +/- 2 °C and 50 +/- 5% relative humidity. Testing of the material should occur in the conditioning environment or soon after removal.

Date	Action	Revisions	Rev. 0
2017 09 01	Released		



Documents

M. Souza SA

Document Sharing Hub



3.6 FABRIC CONSTRUCTION

3.6.1	Composition (ASTM D629)	
	Face Fiber	85% Polyester
	Binder Fiber	15% Low Melt Polyester
3.6.2	Weight (FLTM BN 106-01)	200 - 215 g/m ²
3.6.3	Thickness (SAE J882)	2 - 3 mm
3.6.4	Construction (ASTM D1244)	
	Face Fiber	3.3 Dtex
	Binder Fiber	4.0 Dtex

3.7 FABRIC PROPERTIES

3.7.1	Breaking Strength (ASTM D5034 Grab Method, 300 mm/min speed Average of 5 samples in each direction)	300 N min
3.7.2	Breaking Strength Retention after Resistance to Interior Weathering (FLTM BO 116-01)	
3.7.2.1	Retained Breaking Strength (ASTM D5034 Grab Method, 300 mm/min speed Average of 5 samples in each direction)	250 N min

3.8 METHOD OF DYEING

Solution Dyed

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 questions concerning Engineering Material Specifications.

- 4.1** Purchase departments will ensure that the material defined in this specification and shipped to any one assembly plant will be produced by one supplier only. Each regional location of the supplier for this specification must provide a construction package and be approved to meet this specification.
- 4.2** If yarn is locally sourced it must meet the above fabric construction, composition and yarn construction.