

**FABRIC, AUSTIN PATTERN, FLAT WOVEN,
RECYCLED, PIR/PCR CONTENT WITH SOIL REPELLANT
AND BACKCOATING****WRS-M1H1311-A23****1. SCOPE**

The material defined by this specification is a flat woven polyester face fabric containing a minimum of 25% PIR/PCR (Post industrial/post consumer) recycled yarn.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for MY 2018 seat insert for the Ranger NA. The fabric was originally approved as tri-laminated with foam and a backing scrim.

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 APPEARANCE

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

3.3 FABRIC PERFORMANCE

In addition to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P18-B1/B2/B3/B4/latest as applicable.

3.4 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.

3.5 FABRIC CONSTRUCTION

3.5.1 Fabric Count, -5 % / +10 % tolerance
(ASTM D3775)

Warp	510 / 10 cm
Fill	236 / 10 cm

3.5.2 Fabric Weight, -5 % / +10 % tolerance
(FLTM BN 106-01)

Face Fabric	212 g/m ²
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Date	Action	Revisions	Rev. 0
2018 06 13	Released		

**Documents**D. Murtonen, NA
Document Sharing Hub



ENGINEERING MATERIAL SPECIFICATION

WSS-M1H1311-A13

Back coating

83 g/m²

3.5.3 Fabric Stretch and Set (SAE J855)

Warp
Fill

Stretch
5% min
3% min

Set
3% max
3% max

3.6 COMPOSITION (ASTM D629)

Fabric

100% polyester

Back coating

Urethane, Flame Retardant

3.7 YARN CONSTRUCTION (ASTM D1244)

ZHE- Ebony color

1TC-Med. Stone color

Warp

220 Dtex f72,
(Texturized)

220 Dtex f48
(Texturized)

Fill

330 Dtex f96
(Texturized, 100% recycled yarn)

330 Dtex f72
(Texturized, 100% recycled yarn)

501 Dtex f144
(Texturized)

501 Dtex f144
(Texturized)

3.8 METHOD OF DYEING

ZHE: Solution Dye
1TC: Package Dye

3.9 FINISHED OPERATIONS

ZHE: Roll Opening, Prewet, Relax, Final Set, Backcoating,
Lamination, Embossing, Inspection

1TC: Roll Opening, Preset, Final Set, Backcoating,
Lamination, Embossing, Inspection

Any changes to the above process must
be approved by Materials Engineering.

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. In the event of a Global Program or regional duplication, each regional location of the supplier for this specification must provide a construction package and be approved to meet this specification.