



FABRIC, VIEW PATTERN, WARP KNIT,
RECYCLED, PIR/PCR CONTENT,
UNLAMINATED

WRS-M1H1231-A

FABRIC, VIEW PATTERN, WARP KNIT,
100% VIRGIN, UNLAMINATED

WSS-M1H1231-A2

FABRIC, VIEW PATTERN, WARP KNIT,
100% VIRGIN WITH SOIL REPELLANT

WSS-M1H1231-A11

FABRIC, VIEW PATTERN, WARP KNIT,
RECYCLED, PIR/PCR CONTENT
WITH SOIL REPELLANT

WRS-M1H1231-A21

1. SCOPE

The material defined is a warp knit polyester face fabric. Material conforming to WRS-M1H1231-A contains 25% Minimum PIR/PCR (Post industrial/post consumer) recycled yarn.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for Escape 2012 seat insert and bolster. The fabric was originally approved as tri laminated with foam and backing fabric/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 WSS-M1H1231-A2 and A11. This specification is based on virgin materials.

3.3 WSR- M1H1231-A and A21. 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.

3.4 APPEARANCE

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

3.5 FABRIC PERFORMANCE

In addition to the requirements listed herein, the fabric shall meet all requirements of WSS-M8P18-A1/A2/A3/A4/latest as applicable.

3.6 VEHICLE INTERIOR ENVIRONMENTAL PERFORMANCE

Date	Action	Revisions	Rev. 1
2016 02 22	Revised/ Released A11, A21	See Summary of Revisions	D. Murtonen, NA
2011 08 09	Activated	M. Montgomery, M. Dumitrescu, NA	



Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/latest, *Performance, Vehicle Interior Environmental Quality Material/Component Requirements*. Data must be included in material submission package.

3.7 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.

3.8 FABRIC CONSTRUCTION

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

Wales	130 / 10 cm
Courses	240 / 10 cm

3.8.2 Fabric Weight, +/-5 % tolerance (FLTM BN 106-01)	260 g/m ²
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3.9 COMPOSITION (ASTM D629)

Fabric	100% polyester
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3.10 YARN CONSTRUCTION (ASTM D1244)

	A2/A11	A/A21
Face (A)	78 Dtex f36, (polyester, false twist, texturized)	78 Dtex f36 (polyester false twist with 100% recycled yarn, texturized)
Face (B)	76 Dtex f24, (polyester, flat yarn)	76 Dtex f24 , (polyester flat yarn with 100% recycled yarn)
Back	76 Dtex f24 (polyester flat yarn made)	76 Dtex f24 (polyester flat yarn with 100% recycled yarn)

3.11 METHOD OF DYEING

Solution dyed

3.12 FINISHED OPERATIONS

Washing, drying, framing or
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.

