FABRIC, ARMSTRONG PATTERN, FLAT WOVEN, RECYCLED, PIR/PCR CONTENT WITH SOIL REPELLANT AND BACKCOATING

WRS-M1H1312-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 2020 MY Explorer seat insert. The fabric was originally approved as bi-laminated with foam.

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% tolerance
(ASTM D3775)

Warp	620 / 10 cm
Fill	240 / 10 cm

Date	Action	Revisions	Rev. 0
2017 12 13	Released		L. Pollard, NA

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

Face Fabric	275 g/m^2
Back Coating	35 g/m^2
Total Weight	310 g/m^2

3.5.3 Fabric Stretch and Set
(SAE J855)

	Stretch	Set
Warp	6% min	1% max
Fill	6% min	1% max

3.6 COMPOSITION
(ASTM D629)

Fabric	100% polyester
Backcoating	100% polyurethane

3.7 YARN CONSTRUCTION
(ASTM D1244)

Warp	167 Dtex f48, (false twist, polyester, 250 TPM)
Fill	501 Dtex f144, (false twist, recycled polyester)

3.8 RECYCLED CONTENT

Recycled yarn must contain a minimum of 25% recycled content PIR/PCR (Postindustrial/post consumer) as defined by WRS-M99P42-A2. The remaining portion of the material can come from virgin sources. Refer to the Approved Source List (ASL), for specific regional recycled levels for this material.

3.9 METHOD OF DYEING Solution dyed

3.10 FINISHED OPERATIONS Washing, Drying, SR & Finishing, Thermoheatting, Backcoating

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

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