FABRIC, BARBED PATTERN, FLAT WOVEN, RECYCLED, PIR/PCR CONTENT WITH SOIL REPELLANT AND BACKCOATING **WRS-M1H1196-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 Super Duty 2016 MY seat insert. 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 VEHICLE INTERIOR ENVIRONMENTAL PERFORMANCE

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.

3.5 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.

3.6 FABRIC CONSTRUCTION

3.6.1 Fabric Count
(ASTM D3775)

Warp	335 / 10 cm
Fill	220 / 10 cm

Date	Action	Revisions	Rev. 0
2016 07 29	Released		D. Murtonen, NA

Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD WRS-M1H1196-A23 2016
Copyright © 2016, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,
Documents Sharing Hub

3.6.2 Fabric Weight
(FLTM BN 106-01)

Face Fabric	320 g/m^2 (+/-5%)
Backcoating	50 g/m^2(+10/-5 g/m^2)
Total Weight	370 g/m^2

3.7 COMPOSITION
(ASTM D629)

Fabric	100% polyester
Backcoating	Acrylic Resin

3.8 YARN CONSTRUCTION
(ASTM D1244)

Warp (A)	501 Dtex x1 (polyester, false twist)
Warp (B)	330 Dtex x1 (polyester, false twist
Weft (A)	501 Dtex x1, (polyester, false twist)
Weft (B)	550 Dtex x2 (polyester flat yarn made)
Weft (C)	501 Dtex x1 (polyester, twisted 350 tpm) 100% Recycled yarn

3.9 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. Virgin yarn contains 100% virgin material.

3.10 METHOD OF DYEING Solution dyed

3.11 FINISHED OPERATIONS Washing, Drying, Top Resin, 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 an one assembly plant will be produced by one supplier only. In the event of a Global Program or

Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD WRS-M1H1196-A23 2016

Copyright © 2016, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,

Document Sharing Hub