# FABRIC, JACK II PATTERN, FLAT WOVEN, RECYCLED, PIR/PCR CONTENT WITH SOIL REPELLANT AND BACKCOATING

WRS-M1H1262-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 Expedition MY 2018 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 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.

| Date | Action | Revisions | Rev. 00 |
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| 2017 01 13 | Released | | S. Edwards (NA) |



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### 3.6 FABRIC CONSTRUCTION

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

| | |
|---|---|
| Warp | 803 / 10 cm |
| Fill | 343 / 10 cm |

3.6.2 Fabric Weight, -/+5 % tolerance
(FLTM BN 106-01) 390 $g/m^2$

3.6.3 Fabric Stretch and Set
(SAE J855)

| | Stretch | Set |
|---|---|---|
| Warp | 6% -0/+5 | 2% Max |
| Fill | 6% -0/+5 | 2% Max |

### 3.7 COMPOSITION
(ASTM D629)

Fabric 100% polyester

### 3.8 YARN CONSTRUCTION
(ASTM D1244)

| | A23 |
|---|---|
| Warp | 167 Dtex f144, (semi dull polyester, false twist) x1 |
| Fill | 167 Dtex f34, (semi dull polyester, with 100% recycled yarn, piece dyed, false twist) x2 |

### 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.

### 3.10 METHOD OF DYEING Piece dyed

### 3.11 FINISHED OPERATIONS Wash, dye, SR application, coat, dry

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.

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