



FABRIC, EVEREST PATTERN, WARP KNIT, RECYCLED, PIR/PCR CONTENT WITH SOIL REPELLANT AND BACKCOATING

WRS-M1H1177-A23

1. SCOPE

The material defined by this specification is a warp knit polyester face fabric made from a minimum of 25% recycled content PIR/PCR (post industrial/post consumer) recycled yarn.

2. APPLICATION

This specification was released originally for material used as an interior trim fabric for 2016 MY Explorer seat bolster. The fabric was originally approved as backcoated and laminated with foam.

2.1 LIMITATIONS

Everest is to be tested for flammability as a fabric/foam composite not as flat stock. Everest can only be used as a laminated composite (fabric/foam). Everest requires a high FR Back coating.

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. 0
2016 10 03	Released		



Documents

D. Murtonen - NA
Document Sharing Hub

**3.6 FABRIC CONSTRUCTION****3.6.1 Fabric Count, -/+5 % tolerance
(ASTM D3775)**

Wales	95 / 10 cm
Courses	161 / 10 cm

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

Face Fabric	300 g/m2
Backcoat	30 g/m2
Total	330 g/m2

**3.7 COMPOSITION
(ASTM D629)**

Fabric	100% polyester
Backcoat	Acrylic High FR

**3.8 YARN CONSTRUCTION
(ASTM D1244)**

Face	16.7 Dtex f34 (100% recycled polyester, texturized)
Middle	16.7 Dtex f36, (polyester, textured solution dye)
Back	7.8 Dtex f36 (polyester flat 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.

3.10 METHOD OF DYEING

Solution dyed

3.11 FINISHED OPERATIONS

Knit,dye,tenter, dry

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