LAMINATE, POLYESTER FABRIC, POLYURETHANE FOAM POLYESTER BACKING, MOOREA PATTERN, PILE WARP KNIT, 100% VIRGIN — **WSS-M5H50-A10**

LAMINATE, POLYESTER FABRIC, POLYURETHANE FOAM POLYESTER BACKING, MOOREA PATTERN, PILE WARP KNIT, RECYCLED, PIR/PCR CONTENT — **WRS-M5H50-A20**

1. SCOPE

The materials defined by these specifications are knit polyester microsuede face fabric made from 100% virgin yarn or a recycled content PIR/PCR (post industrial/post consumer) recycled yarn.

2. APPLICATION

This specification was released originally for headliner fabric to be used in Black Label programs. The fabric was originally approved as a tri-laminate with foam and 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 APPPEARANCE

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-M8P27-B1/latest for all systems above the beltline.

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%
(ASTM D3775)

Wales	153 / 10 cm
Courses	268 / 10 cm

Date	Action	Revisions	Rev. 1
2018 06 15	Editorial	Removed microsuade from the title.	L. Rabideau, NA
2018 04 09	Released		L. Rabideau, NA

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3.5.2	Fabric Weight, -/+5 % tolerance (FLTM BN 106-01)	A10 – 31gh4 g/m^2 A20 - 320 g/m^2

3.6 COMPOSITION
(ASTM D629)

Fabric	100% polyester

3.7 YARN CONSTRUCTION
(ASTM D1244)

Bar 1	A10 - 75 Den f36 (polyester) A20 - 70 Den f36 (polyester recycled)
Bar 2	A10 - 50 Den f24 (polyester) A20 - 50 Den f24 (polyester)
Bar 3	A10 - 70 Den f300 (polyester) A20 - 70 Den f300 (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 — Piece dyed with disperse dyestuff

3.10 STRENGTH PROPERTIES

3.10.1 Breaking Strength
(ASTM D5034 Grab Method, 300 mm/min speed
Average of 5 samples in each direction)

MD	500 N min
AMD	900 N min

3.10.2 Breaking Strength Retention after Resistance to Interior Weathering
(FLTM BO 116-0, 225.6 kJ/m2, ASTM D5034
Grab Method, 300 mm/min speed
Average of 5 samples in each direction)

MD	500 N min
AMD	600 N min

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