



**FABRIC, WARP KNITTED FABRIC, SIDE DOOR WINDOW SUNSHADE,
28% LIGHT TRANSMITTANCE, 100% VIRGIN**

WSS-M5H35-B1

1. SCOPE

The material defined by this specification is a knitted polyester fabric made from 100% virgin yarn.

2. APPLICATION

This specification was released originally as a sunshade fabric with 28% light transmittance.

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 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.

3.4 FABRIC CONSTRUCTION

3.4.1 Fabric Count
(ASTM D3775)

Wales	94-126 / 10 cm
Courses	189-236 / 10 cm

3.4.2 Fabric Weight, +/-10 % tolerance
(FLTM BN 106-01)

115 g/m²

3.5 COMPOSITION (ASTM D629)

Fabric	100% Polyester
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3.6 YARN CONSTRUCTION (ASTM D1244)

Face	5 tex f24
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Date	Action	Revisions	Rev 01
2018 06 13	Revised	See Summary of Revisions	L. Rabideau, NA
2016 11 17	Released		L. Rabideau, NA

**3.7 METHOD OF DYEING**

Solution dyed

3.8 FINISHED OPERATIONS

Heat-set via framing with flame retardant and resin applied in the pad bath

3.9 STRENGTH PROPERTIES**3.9.1 Breaking Strength**
(ASTM D5034, grab method, 300 mm/min)

Wales

200 N Min

Courses

350 N Min

3.9.2 Retained Breaking strength after Xenon exposure
(FLTM BO 116-01, 451 kJ/m²)

Wales

60 N Min

Courses

105 N Min

3.10 RESISTANCE TO MILDEW

(7 days at 98 +/- 2% relative humidity and 38 +/- 2 °C, specimen size 100 mm x 100 mm)

Remove the part from the cabinet and evaluate (smell the sample) immediately. The part shall exhibit no visible evidence of mildew growth and / or objectionable odor after the 7 day exposure. In addition, part must not separate layers or show any other visual deterioration.

3.11 WEAR PROPERTIES**3.11.1 Taber Abrasion**
(SAE J948 CS10 wheels, 500g load)200 cycles
No distortion or color change**3.11.2 Resistance to Scuffing**
(SAE J365, A head)25 cycles
No distortion or color change**3.12 COLOR PROPERTIES****3.12.1 Resistance to Interior Weathering**
(FLTM BO 116-01, sample size 60 x 150 mm minimum, AATCC Evaluation Procedure 1)977.6 kJ/m² Exposure

Rating 4 min

The material must not exhibit staining, color tone change, change in hue, or other deterioration after exposure.