



FABRIC, KNITTED FABRIC BACK WINDOW POWER SUNSHADE 25% LIGHT TRANSMITTANCE

WSS-M5H32-A

1. SCOPE

The material defined by this specification is a 3 bars knitted polyester fabric, impregnated with a resin finish.

2. APPLICATION

This specification was released originally as a Sunshade fabric with 25% light transmittance for D385 2008 Back window

3. REQUIREMENTS

In addition to the requirements listed herein, this material shall meet the SDS requirements of Backlite Power sunshade as applicable. When used on the intended application, the material must be capable of performing satisfactory under all production and service conditions.

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.2 APPEARANCE (FLTM BI 109-01)

The color, pattern, and finish shall match the approved Corporate Design master sample, or shall be as specified on engineering drawing

3.2 WEIGHT, g/m², (FLTM BN 106-01)

Fabric 126 +/- 10

3.3 THICKNESS, mm (ASTM D 1777)

0.4 +/- 0.05

3.4 COMPOSITION (ASTM D 276/ASTM D 629)

Fabric 100% Polyester

Date	Action	Revisions	Rev 01
2014 06 24	Editorial	Updated Title	M. Dumitrescu, NA
2007 08 31	Activated		M. Dumitrescu

**3.5 FABRIC CONSTRUCTION**

3.5.1 Stitch Count +/- 5% tolerance
(ASTM D 3887)

Wales	240 per 10 cm
Courses	180 per 10 cm

3.5.2 Yarn construction
(ASTM D 1244)

Face	5.6 tex semi-dull, round
Middle	8.3 tex semi-dull, round
Back	8.3 tex semi-dull, round

3.5.3 Method of Dyeing Piece Dye

3.5.4 Finishing Amino Resin

3.6 STRENGTH PROPERTIES

3.6.1 Breaking Strength, N min
(ASTM D 5034, grab method, 300 mm/min)

Wales	310 N
Courses	310 N

3.6.2 Retained Breaking strength after Xenon exposure per 9.1 sect

Wales	40%
Courses	40%

**3.7 TEAR STRENGTH, (Trapezoidal), N, min
(ASTM D 5587)**

MD	40 N
AMD	40 N

**3.8 LOW TEMPERATURE FLEXIBILITY at -30 °C
(FLTM BN 102-01)**

No cracking, crazing
or brittleness

Shall remain flexible and not crack when bent 180° around 6.4 mm diameter mandrel.

**3.9 DIMENSIONAL STABILITY, % max change
Environmental exposure of 300 x 300 mm specimen**

- 16 hrs at 38+/-2 °C and 95% R.H.
- 2 hrs at 23 +/- 2 °C and 50% R.H.
- 16 hrs at 110 °C
- 2 hrs 23 +/- 2 °C and 50% R.H.
- 4 hrs at -30 °C
- 2 hrs at 23 +/- 2 °C and 50% R.H.

1% +/- max change
no objectionable distortion
color or gloss change, no
odor, warping, wrinkling