



LAMINATE, POLYESTER FABRIC, POLYURETHANE FOAM, CHINA PRISM HD PATTERN, KNIT

WSS-M5H42-A1

1. SCOPE

The material defined by this specification is a China Prism HD pattern, knit fabric, flame laminated to flame bondable polyurethane foam or adhesive laminated to a backing scrim.

2. APPLICATION

This specification was released originally for material used as cover material for headliners, sun visors, pillars and roller shades. Any other applications must be evaluated and approved by the responsible Materials Engineering activity.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

3.1.1 Materials manufactured to this Specification shall also meet the requirements contained in WSS-M98P3-B/latest.

3.1.2 Material suppliers and part producers must conform to the Company's Standard Requirements for Production Materials WSS-M99P1111-A/latest.

3.1.3 Materials used in interior applications must meet the requirements outlined in WSS-M99P2222-D1/latest.

3.2 APPEARANCE (FLTM BI 109-01)

The color, pattern, and finish shall match the approved Corporate Design master sample.

3.3 COMPOSITION

3.3.1 Fabric (ASTM D276-12) 100% Polyester

3.3.1.1 Weight (FLTM BN 106-01)

Face fabric only 160-190 g/m²

Date	Action	Revisions	Rev. 00
2014 10 09	Released		



Documents
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3.3.1.2 Fabric Count (ASTM D3887)

Wales	120-160/10cm
Courses	190-250/10cm

3.3.2 Foam Polyurethane

The foam shall be polyether polyurethane or polyester polyurethane and must meet Sunvisor Performance specification WSS-M98P3-B/latest. For sun visor cover must use polyether polyurethane foam that meets flammability requirements as a fabric-foam composite.

3.3.2.1 Thickness As specified on Engineering Drawing

3.4 FABRIC-FOAM REQUIREMENTS

See Table 1 for testing requirements.

3.4.1 Odor (FLTM BO 131-03-Variant C) Rating 3 max

3.4.2 Fogging (SAE J1756, 3 hrs at 100°C heating, 21°C cooling plate, Posttest conditioning 16 hrs)

Fog number 70 min

Formation of a clear film, droplets or crystals is cause for rejection.

3.4.3 Flammability (ISO 3795/SAE J369)

Burn Rate 100 mm/min. max

Headliner fabric/foam composite shall be tested as 100% fully bonded to the headliner substrate as specified in WSS-M15P27-F/latest.

Sun Visor fabric/foam composite must use appropriate foam to meet the 100mm/min. max as a fabric/foam composite if not 100% fully bonded to substrate.

Pillar fabric/foam/scrim composite must use appropriate foam to meet the 100mm/min. max as a composite if not 100% fully bonded to substrate.

3.4.4 Resistance to Abrasion 150 cycles (SAE J948, 500g load, CS-10 wheels)

No evidence of excessive surface deterioration. The resistance to abrasion of production material shall be equal to or better than the material approved by the Materials Engineering Activity.