



FIBERBOARD – WOOD, MOLDED

ESD-M2E98-A

1. SCOPE

The materials defined by this specification are formed fiberboards composed of wood fiber pulp and natural or synthetic resin produced by the wet slurry or dry mat process.

2. APPLICATION

This specification was released originally for materials used for molded seat back foundations.

3. REQUIREMENTS

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

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

3.4 THICKNESS

(ISO 534/SAE J 315)

The thickness shall be as shown on the Engineering Drawing.

3.5 APPARENT DENSITY

(ISO 534/SAE J 315)

0.7 +/- 0.1 g/cm³

3.6 MOISTURE CONTENT, max

(ISO 767/SAE J 315)

8%

3.7 WATER ABSORPTION, max

(ISO 769/SAE J 315)

24 h immersion time

50%

3.8 WATER SWELL, max

(ISO 769/SAE J 315)

24 h immersion time

30%

3.9 BURSTING STRENGTH, min

(ISO 2759/ASTM D2529)

840 kPa/mm

The bursting strength shall be based on the average of five (minimum) results.

3.10 FLAMMABILITY

(ISO 3795)

Burn rate, max

100 mm/min

Date	Action	Revisions
2003 08 14	Revised	Para 3.0 inserted; Para 3.1, 3.2, 3.3, 3.15, 3.16, 4 deleted
1989 07 31	SM/ER 0463 TC	Released

**3.11 ODOR, max**
(SAE J 1351)

Rating 2

3.12 FOGGING
(SAE J1756, 3 h at 100 °C heating, 21 °C cooling
plate, post test conditioning 1 h and 16 h)

Fog Number, min

60

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

3.13 FLEXURAL PROPERTIES
(ASTM D 790)

3.13.1 Flexural Strength

21 +/- 6 MPa

3.13.2 Flexural Strength

1.7 +/- 0.6 GPa

The flexural strength and flexural modulus results shall be based upon the average of five (minimum) results obtained from specimens randomly selected for position and direction.

3.14 FORM STABILITY, max
(FLTM BS 151-02)

After humidity storage

2.5%

After heat storage

1.5%

After conditioning in standard atmosphere

1.5%

5. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification.

5.1 REQUIREMENTS FOR RAW MAT

When the raw mat is supplied to Ford for molding, the quality of the mat shall be such that when suitably molded all of the requirements of section 3 can be met.