



FIBERBOARD (CHIP), SEMI-RIGID

ESB-M2E25-A

1. SCOPE

The material defined by this specification is laminated kraft fiberboard with a controlled flexibility range.

2. APPLICATION

This specification was released originally for material used as a core in the construction of a safety sun visor assembly or for other interior trim applications requiring a semi-rigid support member.

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 WEIGHT, min 635 g/m²/mm
(ASTM D 646, avg. of three, thickness
300 x 300 mm specimens)

3.5 MOISTURE CONTENT 5 – 8.5%
(ASTM D 644, 100 x 100 mm samples)

3.6 BURSTING STRENGTH 0.88 – 1.29 MPa/mm
(ASTM D 2529, five bursts on each
side of 3 specimens)

3.7 TENSILE STRENGTH, min
(ASTM D 828)

WMD 700 N/mm
AMD 263 N/mm

3.8 DIMENSIONAL STABILITY
(SAE J315, Method "B", 24 h, followed by Method "C")
(SAE J315, Method "A", 24 h, followed by Method "C" for
fiberboards 0.7 mm thick or under)

	Expansion, % max "B"	Contraction, % max "C"
WMD	0.3	0.5
AMD	3.0	3.0

3.9 MOISTURE ABSORPTION, max 20%
(SAE J315, 24 h immersion)

Date	Action	Revisions
2003 08 14	Revised	Para 3.0 inserted; Para 3.1, 3.2, 3.3, 3.13, 3.14, 4 deleted
1995 03 01	Activated	Updated, Inactivated ESB-M2E25-B
1963 07 09	IS1-743	Released ESB-M2E25-A



**3.10 STIFFNESS, MPa**
(ASTM D 747)WMD
AMD

Minimum	Maximum
1034	1862
345	620

3.11 STAINING – SPEW
(SAE J315, Method A & B)Shall contain no solvent or water
extractionable contaminant**3.12 FLAMMABILITY**
(ISO 3795/SAE J369)

Burn rate, max

100 mm/minute

5. GENERAL INFORMATION

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

- 5.1** Fiberboards 0.7 mm thick or under must be used in a composite only and be bonded 100% across their entire surface. Other fiberboard thicknesses must be evaluated to determine if a composite is required to meet applicable flammability requirements.