

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

FIBERBOARD (PANEL), PRESSED WOOD - NON-DIELECTRIC GRADE

Ñ ESB-M2E66-B

FIBERBOARD (PANEL), PRESSED WOOD - FORMABLE GRADE

Ñ ESB-M2E66-C

FIBERBOARD (PANEL), PRESSED WOOD - DIELECTRIC GRADE

Ñ ESB-M2E67-B

1. SCOPE

The materials defined by these specifications are:

▽ ESB-M2E66-B

Pressed wood panelboard, i.e., hardboard.

▽ ESB-M2E66-C

More dense, higher impact, formable grade of panelboard.

▽ ESB-M2E67-B

▽ ESB-M2E66-B panelboard, coated with a bonding resin in the areas as indicated on the engineering drawing.

2. APPLICATION

These specifications were released originally for materials used in the following applications:

▽ ESB-M2E66-B

Foundation for door and quarter trim panels, sun visors, package trays, and front and rear seat backs.

▽ ESB-M2E66-C

Structural rear seat back on the 1975 Mustang and Pinto.

▽ ESB-M2E67-B

Foundation for dielectric bonded door and quarter trim panels.

3. REQUIREMENTS

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 THICKNESS (SAE J 315b)

As specified on engineering drawings

Thickness variation on any board used in heat bonding operations shall not exceed 0.25 mm or 10 %, whichever is smaller.

3.3 DENSITY

▽ ESB-M2E66-B

881 kg/m³

▽ ESB-M2E67-B

881 kg/m³

▽ ESB-M2E66-C

1442 kg/m³

Date	Action	Revisions
2002 10 15	Revised	Updated and renumbered
1983 02 16	3.9 , 5	Revised, Retyped CAM1-RD588050-20
1971 08 17		Released AB1-302-14

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Ñ ESB-M2E66-B
Ñ ESB-M2E66-C
Ñ ESB-M2E67-B

3.4 MOISTURE CONTENT, based on original weight (SAE J 315 b)			
▽ ESB-M2E66-B		3 – 6 %	
▽ ESB-M2E67-B		3 – 6 %	
▽ ESB-M2E66-C		4 – 7 %	
3.5 WATER ABSORPTION, max (SAE J 315 b, 24 h immersion)			
▽ ESB-M2E66-B		40 %	
▽ ESB-M2E67-B		40 %	
▽ ESB-M2E66-C		25 %	
3.6 WATER SWELL, max (SAE J 315 b)		23 %	
3.7 WARP, max (FLTM BS 2-1, 24 h water immersion)		5 %	
3.8 BURSTING STRENGTH, min (SAE J 315 b)			
▽ ESB-M2E66-B		0.95 MPa/mm	
▽ ESB-M2E67-B		0.95 MPa/mm	
▽ ESB-M2E66-C		1.1 MPa/mm	
3.9 FLEXURAL STRENGTH, min (ASTM D 790, Method I - Procedure "A," Avg. of 5)		31 MPa	
3.10 DIMENSIONAL STABILITY, %, max (SAE J 315 b, 24 h water immersion)			
		<u>Expansion</u>	<u>Contraction</u>
2.03 mm		+0.7	-0.7
2.54 mm		+0.5	-0.5