# Engineering Material Specification

| Material Name | Specification Number |
|---|---|
| MILLBOARD, ASBESTOS-RIGID-HEAT INSULATOR | ESB-M2E57-A<br>▽ESB-M2E57-B<br>NO PART X REF. |

## 1. SCOPE

The material defined by this specification is a rigid asbestos millboard of uniform composition.

## 2. APPLICATION

This specification was released originally for material used as a heat insulator between the floor pan and the exhaust system.

## 3. REQUIREMENTS

### 3.1 CONDITIONING

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 ± 2°C and 50 ± 5% relative humidity for 24 h prior to testing and tested under the same controlled conditions.

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| 3.2 | WEIGHT, min<br>(*ASTM D 461*) | 1.15 lb/ft$^2$ (5.62 kg/m$^2$) |
| 3.3 | THICKNESS<br>(ASTM D 461, except use 1.0 in (25 mm) diameter foot, 1 lb (454 g) total load) | 0.245-0.285 in (6.22-7.24 mm) |
| 3.4 | TENSILE STRENGTH, min<br>(ASTM D 638, except sample size shall be 0.5 x 6.0 in (13 x 152 mm) | |
| | WMD | 550 psi (3.8 MPa) |
| | AMD | 200 psi (1.4 MPa) |
| 3.5 | FLEXURAL STRENGTH, min<br>(ASTM D 790, except sample size is 2 x 6 in (51 x 152 mm) with 4.0 in (102 mm) span) | |
| 3.5.1 | Normal | |
| | WMD | 1000 psi (6.9 MPa) |
| | AMD | 500 psi (3.5 MPa) |

| Date | Para. No | Revisions |
|---|---|---|
| 1978 08 11 | | Metricated, Renumbered & Retyped CAHI-RD572066-78 |
| 1971 08 17 | | Released ▽ESB-M2E57-B AB1-302-14 |
| 1963 06 08 | | Released ESB-M2E57-A AS1-1023 |



Eng Rec 3948-a WJB

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