Engineering Material Specification

Material Name | Specification Number

GASKET, STEEL SHEET-ASBESTOS/SBR | E **ESE-M8G149-A**

1. SCOPE

The material defined by this specification consists of asbestos with a synthetic rubber binder secured to one side of a low carbon steel sheet.

2. APPLICATION

This specification was released originally for material used as an exhaust manifold gasket where high compressive strength and high temperature resistance is required.

3. REQUIREMENTS

3.1 CONSTRUCTION

The gasket shall consist of asbestos with a synthetic rubber binder glued and/or mechanically bonded to one side of a tin plated low carbon sheet.

3.1.1 Steel Sheet — Tin plated, low carbon

3.1.2 Fabrication

The asbestos shall be plied uniformly on one side of the steel sheet to meet the requirements of the application and as specified according to individual blueprints.

3.2 FINISHED GASKET

All tests shall be conducted in accordance with ASTM F 104, Type 1 materials, unless otherwise specified.

3.2.1 Immersion in Liquids

Distilled Water	22 h at boiling
Permanent Antifreeze (ESE-M97B18-C) and Water - 50/50	48 h at boiling

After immersion in above liquids, as specified, the asbestos shall be firm and must not separate from the steel sheet.

3.2.2 Original Properties

Compressibility (ASTM F 36, 5000 psi (34.5 MPa) load)	10 - 30%

8001 1412

Date	Para. No.	Revisions	
1978 07 14		Metricated, Renumbered & Retyped CE3H-RD78244D-E	
1977 11 18		Released CE3H-IR743601-E50	

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