Engineering Material Specification

Material Name	Specification Number
GASKET, STEEL CORE-ASBESTOS/RUBBER BINDER	E ESE-M8G73-A

1. SCOPE

The material defined by this specification consists of a perforated low carbon steel core covered on each side with asbestos and synthetic rubber binder.

2. APPLICATION

This specification was released originally for material used on engines as a cylinder head gasket, where high compressive strength is required.

3. REQUIREMENTS

3.1 CONSTRUCTION

The gasket consists of a perforated low carbon steel core with a material consisting of asbestos and synthetic rubber binder glued and/or mechanically bonded to each side of the core. Grommets of rustless steel, copper or carbon steel are used as requireed.

3.1.1 Steel Core

Low carbon. Thickness and perforations as specified on engineering drawings.

3.1.2 Fabrication

The asbestos and rubber binder sheet shall be plied uniformly and bonded to each side of the steel core to meet requirements of the application, the thickness as specified on engineering drawing.

3.2 FINISHED GASKET

3.2.1 Resilience (FLTM BV 11-1) — As specified on engineering drawing

3.2.2 Immersion in Liquids

Immersion Fluid	Test Conditions
Water	24 h at boiling
ESE-M97B18-A Long Life Coolant and Water - 50/50	24 h at boiling
ASTM Reference Fuel "A"	24 h at 23 ± 2°C

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

Date	Para No	Revisions
1978 07 14		Metricated, Renumbered & Retyped CE3H-RD 782440-E
1960 08 30		Released ET-2777

Eng Res Jun 77 3948-a

8001 1349

Page 1 of 2

PRODUCED BY FORD