Ford Engineering Material Specification

Material Name	Specification Number
GASKET, STEEL CORE-ASBESTOS/RUBBER BINDER E	ESE-M8G124-A

1. SCOPE

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

2. APPLICATION

This specification was released originally for material used on engines as an intake manifold 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 mechanically bonded to each side of the core.

3.1.1 Steel Core

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

3.1.2 Fabrication

The synthetic rubber impregnated asbestos sheet shall be plied uniformly and mechanically bonded to each side of the core to meet requirements of the application. Thickness shall be specified on engineering drawing.

3.2 FINISHED GASKET

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

3.2.1	Resilience (FLTM BV 11-1)	As specified on engineering drawing.
3.2.2	Immersion in Liquids (16 h at boiling)	

Immersion Fluid

- Water
- Ford Permanent Anti-Freeze/Water - 50/50

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

Date	Para. No.	Revisions
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