



Engineering Material Specification

Material Name

GASKET, ASBESTOS/STYRENE FIBER COMPOSITION

Specification Number

ESW-M8G109-B

a a f n P

1. SCOPE

The material defined by this specification is an asbestos/styrene fiber gasket, which has been coated on both sides with a graphite compound and post cured to increase abrasion resistance and improve bolt torque retention.

2. APPLICATION

This specification was released originally for material used as a gasket for the rear axle housing cover.

3. REQUIREMENTS

Conditioning prior to testing shall be in conformance with ASTM F 104, Type 1, unless otherwise specified.

3.1 TENSILE STRENGTH, min 1250 psi (8.6 MPa)
(ASTM F 39, Tested perpendicular to the grain)

3.2 COMPRESSIBILITY, min 18%
(ASTM F 36, Procedure "A")

Recovery, min 40%

3.3 IMMERSION IN LIQUIDS Weight Increase, max
(ASTM D 471, 22 h at $23 \pm 2^\circ\text{C}$)

ASTM Oil No. 1 45%

ASTM Oil No. 3 70%

ASTM Fuel "A" 35%

ASTM Fuel "B" 55%

Water 50%

3.4 COMPRESSION SET, max 15%
(ASTM D 395, Method "A", 22 h at $70 \pm 1^\circ\text{C}$)

3.5 SUPPLIER'S RESPONSIBILITY

Material supplied to this specification must be equivalent to that originally approved. Changes in formulation or processing shall not be made without prior approval as described in Supplier Procedure I-A.

4. APPROVAL OF SUPPLIERS

Suppliers to this specification must be approved by the affected product engineering office. Procedure for gaining approval of a specific material to a new/existing ES-M specification is contained in Supplier Procedure I-A. Approved new suppliers will be added to the Engineering Materials Approved Source List.

Date	Para. No.	Revisions
1978 10 04		Metricated, Renumbered & Retyped
1965 01 11		Released Per PCR 406856

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