



Engineering Material Specification

Material Name

Specification Number

GASKET, ASBESTOS/RUBBER

a E L m

ESE-M8G106-A

1. SCOPE

The material defined by this specification is an elastomeric bonded, compressed asbestos sheet, the asbestos being of spinning grade.

2. APPLICATION

This specification was released originally for material used where resistance to high temperature (approximately 649°C) and/or high swell in oil is required.

3. REQUIREMENTS

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

3.1 COMPRESSIBILITY (ASTM F 36)

7 - 17%

Recovery, min

40%

3.2 TENSILE STRENGTH, min

Less than 1/64 in (0.40 mm) Thick
(Avg. of 3 tests)

2800 psi (19.3 MPa)

1/64 in (0.40 mm) and Greater

4500 psi (31.0 MPa)

3.3 IMMERSION IN LIQUIDS

Thickness change shall be measured with 9 + 0.1 oz (2.5 + 0.03 N) load on gage before immersion and 3 + 0.1 oz (0.83 + 0.03 N) load on gage after immersion using a presser foot diameter of 0.25 + 0.01 in (6.4 + 0.3 mm).

Immersion Fluid	Test Conditions	Thickness Change (Avg. of 3 Tests)	1/64 in (0.40 mm) And Greater
		Under 1/64 in (0.40 mm)	
ASTM Oil No. 1	5 h at 149 + 3°C	10-25%	10-20%
ASTM Oil No. 3	5 h at 149 + 3°C	80-110%	35-75%
ASTM Fuel "A"	5 h at 23 + 2°C	10-20%	10-20%
ASTM Fuel "B"	5 h at 23 + 2°C	25-55%	25-40%

3.3.1 Tensile Strength Loss, max
(ASTM Oil No. 1, 5 h at 149°C)

20%

Date	Para. No.	Revisions
1978 07 14		Metricated, Renumbered & Retyped C E 3 H - R D 782440
1964 09 01		Released E7-3141