



Engineering Material Specification

Material Name

Specification Number

GASKET, CORK/NEOPRENE

ESA-M8G25-A

1. SCOPE

The material defined by this specification is a granulated cork, neoprene rubber bonded gasket material.

2. APPLICATION

This specification was released originally for material used as gaskets for suspension ball joints.

3. REQUIREMENTS

All tests shall be conducted in accordance with ASTM F 104, Type 2, except as indicated.

3.1 COMPRESSIBILITY 25 - 35%
(ASTM F 36, 400 psi (2.8 MPa) load)

Recovery, min 80%

3.2 TENSILE STRENGTH, min 250 psi (1.7 MPa)

3.3 FLEXIBILITY FACTOR, "F"
(ASTM F 147)

Original 12

Oven Aged 16

(70 h at 100°C)

Oil Aged 16

(70 h at 100°C in ASTM Oil No. 1)

3.4 IMMERSION IN LIQUIDS

Immersion Fluid	Test Conditions	Thickness Change
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ASTM Oil No. 1	70 h at 100°C	0 to +5%
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ASTM Oil No. 3	70 h at 100°C	+5 to +20%
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ASTM Reference Fuel "A"	22 h at 23 + 2°C	0 to +10%
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ASTM Reference Fuel "B"	22 h at 23 ± 2°C	+15 to +25%
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3.5 COMPRESSION SET, max 40%
(ASTM D 395, Method "A", 22 h at 70 ± 1°C)

3.6 GLUED JOINTS

The requirements of the specification will apply to sections of the material with glued joints.

Date	Para. No.	Revisions	Approval
1979 01 10		Metricated, Renumbered & Retyped CAH 2-82 3385	EP [Signature] 11-13-78
1963 07 25		Released AS2-348	Q. [Signature] 11-11-78

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3.7 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.

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