

Engineering Material Specification

Material Name

Specification Number

GASKET, ASBESTOS FIBER/ELASTOMERS-BEATER ADDITION

P_u ESW-M8G135-A

NO PART X REF.

1. SCOPE

The material defined by this specification is a gasket material compounded from asbestos fibers and elastomeric polymers. It is produced by the beater addition process.

2. APPLICATION

This specification was released originally for material used as rear axle cover plate gaskets.

3. REQUIREMENTS

(For 1/32 (0.79 mm) thick material)

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

3.1 COMPRESSIBILITY (ASTM F 36, Procedure "A")

15 - 25%

Recovery, min

40%

3.2 TENSILE STRENGTH, min

1500 psi (10.3 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) after immersion, using a presser foot diameter of 0.25 ± 0.01 in (6.4 ± 0.3 mm).

Immersion Fluid

Test Conditions

Thickness Change

ASTM Oil No. 1

5 h at $149 \pm 3^\circ\text{C}$

20 - 35%

ASTM Oil No. 3

5 h at $149 \pm 3^\circ\text{C}$

35 - 60%

ASTM Fuel "A"

5 h at $23 \pm 2^\circ\text{C}$

15 - 30%

ASTM Fuel "B"

5 h at $23 \pm 2^\circ\text{C}$

25 - 40%

3.4 COMPRESSION SET, max (ASTM D 395, Method "B", 22 h at $70 \pm 1^\circ\text{C}$, plied to 0.5 in (13 mm))

60%

3.5 FINISHED PRODUCT

Physical and/or performance requirements of finished product, when required, shall be as specified on the affected part or product engineering drawing, or in the affected part or product engineering performance specification.

Date	Para. No.	Revisions
1978 10 04		Netricated, Renumbered & Retyped CWIOH-RD-824168 John L. Mauer
1973 02 15		Released PCR 970023