Ford Engineering Material Specification

Material Name	Specification Number
GASKET, ASBESTOS (LONG FIBER)/RUBBER Empty	ESE-M8G62-A

1. SCOPE

The material defined by this specification is a rubber bonded, compressed asbestos sheet with at least 25% of the asbestos being spinning grade.

2. APPLICATION

This specification was released originally for material used where resistance to high temperature and oil is required and the amount of swell with no disintegration is controlled, i.e., gasket for intake manifold and pressed metal covers.

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	2500 psi (17.2 MPa)

3.3 IMMERSION IN LIQUIDS

Thickness change shall be measured with 9 ± 0.1 oz (2.50 ± 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 Liquid	Test Conditions	Thickness Change, % 1/64 in (0.4 mm)	1/32 in (0.8 mm)	3/64 in (1.2 mm)	1/16 in (1.6 mm)
ASTM Oil No. 1	5 h at 149 ± 3°C	25-40	20-35	15-30	10-25
ASTM Oil No. 3	5 h at 149 ± 3°C	70-95	60-85	50-75	45-70
ASTM Fuel "A"	5 h at 23 ± 2°C	15-35	15-30	15-30	15-30
ASTM fuel "B"	5 h at 23 ± 2°C	25-45	25-[illegible]	25-40	25-40

The minimum swell must be maintained for the storage life of the gasket for at least 1 year.

3.4	COMPRESSION SET, MAX (ASTM D 395, Method "A", 22 h at 70 ± 1°C)	9%

Date	Para. No.	Revisions
1978 07 14		Metricated, Renumbered & Retyped CE3H-RJ 78 2445-E
1963 09 10		Released E7-2788

8801 1335

Eng Rec June 77 3948-a

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