



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

GASKET MATERIAL, SYNTHETIC RUBBER AND ASBESTOS

SQ-M8G9602-A

1. SCOPE

The material defined by this specification is a compressed sheet of asbestos and polyester fibers, granulated vulcanised synthetic rubber bonded with a compound of synthetic rubber.

2. APPLICATION

This material was originally released for the gasket transmission case cover.

3. REQUIREMENTS

3.1 Tensile Strength

(ASTM F 152, conditioning acc. to type 1 material, procedure acc. to Method A, Die A)

Nominal Thickness, min

0.3 - 3.15 mm

5 N/mm²

3.2 COMPRESSIBILITY

(ASTM F 36, Procedure A)

13 - 20 %

3.3 RECOVERY, min

(ASTM F 36, Procedure A)

40 %

Note: The test acc to para 3.2 and 3.3 are to be carried out on test sheets of the nominal thickness mentioned on the affected Engineering Drawing and must fulfill the requirements.

3.4 THICKNESS CHANGE AFTER IMMERSION IN LIQUIDS

(ASTM F 146, conditioning as to type 1 material, thickness measuring acc to type 1 material)

3.4.1 Immersion in ASTM Fuel B, 5 h at 23 +/- 2 C

Nominal Thickness

Increase in Thickness, max

0.3 - 3.15 mm

25 %

Date	Release No.	Released
1994 12 13		Revised and Retyped, was 4 pages
1976 08 16	SM/EQ 8130 TP	Released

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3.4.2 Immersion in ASTM Oil No. 1,
5 h at 150 +/- 2 C

Nominal Thickness	Increase in Thickness, max
0.3 - 1.15 mm	30 %
1.20 - 2.15 mm	20 %
2.20 - 3.15 mm	15 %

3.4.3 Immersion in ASTM Oil No. 3,
5 h at 150 +/- 2 C

Nominal Thickness	Increase in Thickness, max
0.3 - 1.15 mm	50 %
1.20 - 2.15 mm	35 %
2.20 - 3.15 mm	25 %

3.5 ASH CONTENT, min 55 %
(FLTM EU-BO 6-2, test temperature 800 +/- 25 C)

3.6 SUPPLIER'S RESPONSIBILITY

All materials supplied to this specification must be equivalent in all characteristics to the material upon which approval was originally granted.

Prior to making any change in the properties, composition, construction, color, processing or labeling of the material originally approved under this specification, whether or not such changes affect the material's ability to meet the specification requirements, the Supplier shall notify Purchasing, Toxicology and the affected Materials Engineering activity of the proposed changes and obtain the written approval of the Materials Engineering activity. Test data, test samples and a new code identification are to be submitted with the request.

Substance restrictions imposed by law, regulations or Ford, apply to the materials addressed by this document. The restrictions are defined in Engineering Materials Specification WSS-M99P9999-A1.