Engineering Material Specification

Material Name	Specification Number
GASKET, ASBESTOS FIBER/NEOPRENE RUBBER BINDER	E ESE-M8G136-A

1. SCOPE

The material defined by this specification is a gasket composed of asbestos fibers with neoprene rubber binder.

2. APPLICATION

This specification was released originally for material used as a gasket between an engine front cover and engine block.

3. REQUIREMENTS

The finished parts shall meet the requirements of this specification. These requirements are for nominal thickness of 0.015-0.030 in (0.38-0.76 mm).

All tests shall be conducted in accordance with ASTM F 104, Type 1 materials, unless otherwise specified. Test specimens are to be selected from the finished gaskets when practicable.

3.1	DENSITY, min (Type 2 material)	75 lb/ft^3 (1201 kg/m^3)
3.2	COMPRESSIBILITY (ASTM F 36, 5000 psi (34.5 MPa) load)	15 - 30%
	Recovery, min	40%
3.3	TENSILE STRENGTH, min	1600 psi (11.0 MPa)
3.4	FLEXIBILITY (Type 2 material)	
3.4.1	Original	Pass 12 x thickness
3.4.2	Heat Aged (22 h at 149 $\pm$ 3°C)	Pass 16 x thickness
3.4.3	Immersion in ASTM Oil No. 1 (5 h at 149 $\pm$ 3°C)	Pass 16 x thickness
3.3.4	Immersion in 50-50 ESE-M97B18-C and Water (70 h at boiling)	Pass 16 x thickness

Date	Para. No.	Revisions
1978 07 17		Metricated, Renumbered & Retyped CESH-RD782440E SUPP #2
1972 07 12		Released E3C-874030

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