Engineering Material Specification

Material Name	Specification Number
GASKET, ASBESTOS/RUBBER-LOW COMPRESSIBILITY	A ESA-M8G122-A

NO PART X REF.

1. SCOPE

The material defined by this specification is a compressed sheet gasket, composed of asbestos fiber combined with an oil resistant elastomeric binder.

2. APPLICATION

This specification was released originally for material used where a low compressibility gasket, compatible with hydraulic brake fluid, is required.

3. REQUIREMENTS

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

3.1 ORIGINAL PROPERTIES

3.1.1	Compressibility (ASTM F 36, Procedure "A")	
	At 5000 psi (34.5 MPa) load	7 - 17%
	At 1000 psi (6.9 MPa) load	4 - 9%
	Recovery, min	40%
3.1.2	Tensile Strength, min	2300 psi (15.9 MPa)
3.1.3	Flexibility (Diameter of rod equals 12 times the material thickness)	No cracks

3.2 AGED PROPERTIES

3.2.1	Immersion in ASTM Oil No. 1 (ASTM D 471, 5 h at 149 ± 3°C)	
	Compressibility, max	35%
	Tensile Strength Change, max	30%
	Thickness Change, max	15%
	Flexibility (Diameter of rod equals 12 times the material thickness)	No cracks

Date	Para. No.	Revisions	Approval
1979 01 10		Metricated & Retyped C.AH2 823385	[illegible] 11/17/78
1967 04 20		Released AV2-308	E.P. Francis 11-25-78