Ford Engineering Material Specification

Material Name | Specification Number

GASKET, ASBESTOS SHEET-HEAT INSULATING | A ESA-M8G140-A

1. SCOPE

The material defined by this specification is a high temperature, heat insulating material composed of asbestos, inert fibers and a carbonized bonding ingredient.

2. APPLICATION

This specification was released originally for material used as a gasket for the exhaust system.

3. REQUIREMENTS

3.1 LINEAR SHRINKAGE, max

With grain	6%
Across grain	8%
Thickness	15%

Test Method: Age specimens 24 h at 732°C, then for additional 2 h at 982°C.

3.2 IGNITION LOSS, max (2 h at 816°C) — 25%

3.3 COMPRESSIBILITY, max (ASTM F 36, Procedure "A") — 25%

3.4 HARDNESS, DUROMETER "D" (ASTM D 2240) — 80 - 90

3.5 WEIGHT (0.060 in (1.52 mm) nominal thickness) — 6-8 oz/ft^2 (1.83-2.44 kg/m^2)

3.6 MOISTURE CONTENT, max — 2%

Test Method: Condition samples at 102 ± 3°C in a mechanical convection oven to constant weight.

3.7 HUMIDITY PICKUP, max — 8%

Test Method: Condition samples for 2 h at 102 ± 3°C, then place in humidity cabinet at 95-100% R.H. at 38°C for 24 h. Reweigh immediately.

8001 1395

Date	Para. No.	Revisions	
1979 01 10		Metricated, Renumbered & Retyped CAH2 823385	
1973 09 11		Released AC2-57	F P Francis/KB

Eng Res June 77 3946-e