

GHJ Metal Reinforced Laminate

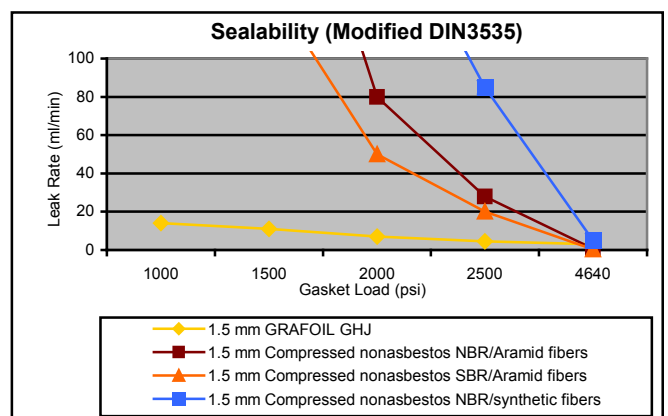
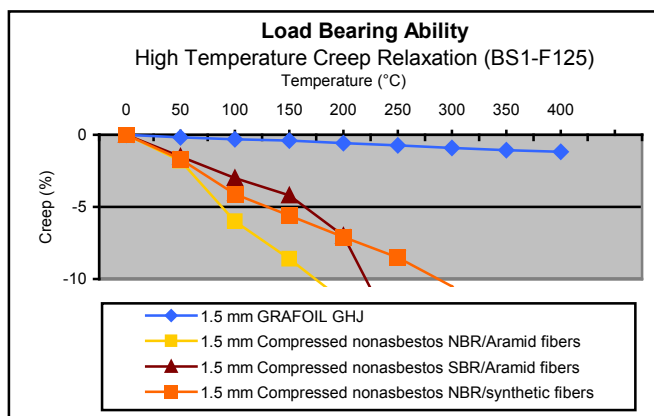
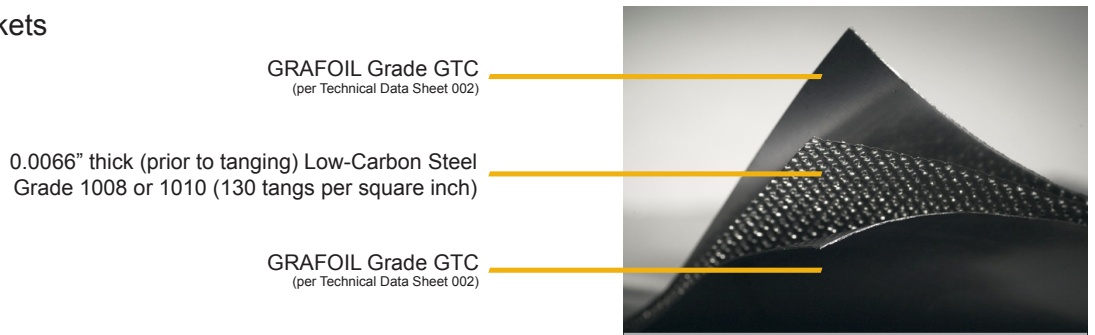
Technical Data Sheet 017

Product Overview

GRAFOIL grade GHJ is a laminate made with GRAFOIL grade GTC flexible graphite mechanically attached to a perforated, low-carbon steel core.

Applications

- Exhaust manifold gaskets
- Exhaust sealing
- Gasoline/diesel head gaskets
- EGR valve sealing
- Turbo charger gaskets



While maintaining an effective seal, GRAFOIL material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced.

Typical Properties*

Characteristic	Value
Thickness of Laminate	0.046" (1.17 mm) Standard 0.056" (1.42 mm) Standard 0.066" (1.68 mm) Standard <i>Non-standard thicknesses may be available upon request</i>
Width	24" (610 mm) Standard <i>Non-standard widths may be available upon request</i>
Length	39.4" (1000 mm) Standard <i>Non-standard lengths may be available upon request</i>
Bulk Density (Graphite)	70 lb/ft ³ (1.12 g/cc) Standard <i>Non-standard densities may be available upon request</i>
Compressibility at 5000 psi (35 MPa) load	26% Typical
Recovery after 5000 psi (35 MPa) load	20% Typical
Creep Relaxation Method: BSI-F125 at 6391 psi (44.1 MPa) load up to 400°C	<3% Typical for 70 lb/ft ³
Air Aging, 22 hours at 535°C Weight Loss Compressibility Recovery	 5% Typical 30% Typical 20% Typical
Certification	Certify to Grade Can be certified to meet Ford material spec ESEM8 G201-A

Notes:

* Properties listed are typical and cannot be used as accept/reject specifications.

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Redefining limits

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