




# GHH Metal Reinforced Laminate

Technical Data Sheet 215

## Standard Grades

- GHH 
- GHJ 
- TG-251 

## Product Overview

GRAFOIL Grade GHH is a laminate made with GRAFOIL Grade GTC flexible graphite chemically bonded to both faces of a flat, low-carbon steel core.

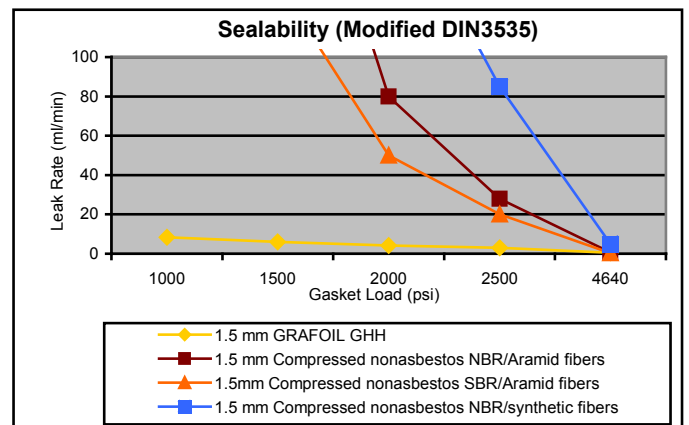
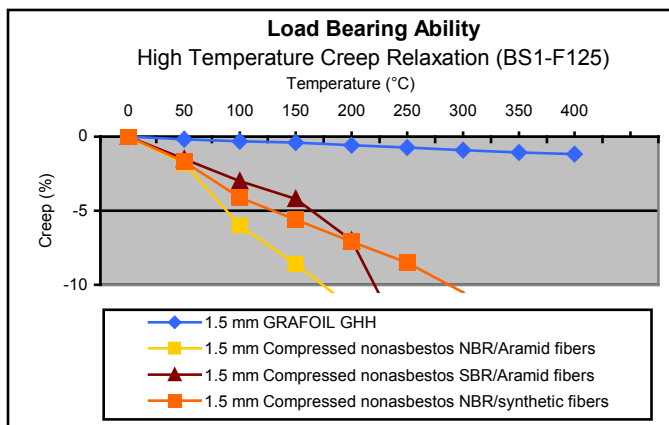
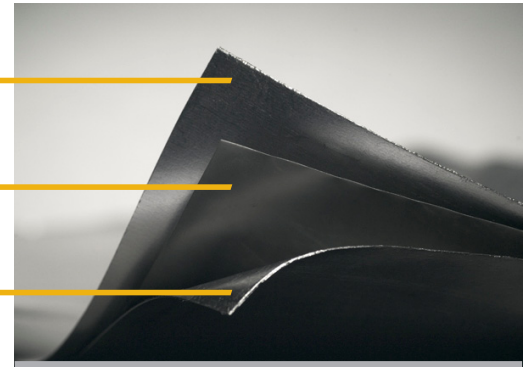
## Applications

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

GRAFOIL Grade GTC  
(per Technical Data Sheet 002)

Low-Carbon Steel

GRAFOIL Grade GTC  
(per Technical Data Sheet 002)



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

## Laminate Construction

- 1) GRAFOIL Grade GTC (per Technical Data Sheet 002)  
micro-thin, phenolic-based adhesive
- 2) 0.004" thick Low-Carbon Steel Grade 1008 or 1010  
micro-thin, phenolic-based adhesive
- 3) GRAFOIL Grade GTC (per Technical Data Sheet 002)

## Typical Properties\*

Characteristic	Value
Thickness of Laminate	0.024" (0.61 mm) Standard 0.034" (0.86 mm) Standard 0.064" (1.63 mm) Standard Non-standard thicknesses may be available upon request
Width	24" (610 mm) Standard Non-standard widths may be available upon request
Length	24" (610 mm) Standard 100' (30.5 m) Standard Non-standard lengths may be available upon request
Bulk Density (Graphite)	70 lb/ft <sup>3</sup> (1.12 g/cc) Standard Non-standard densities may be available upon request
Compressibility at 5000 psi (35 MPa) load	36% Typical
Recovery after 5000 psi (35 MPa) load	26% Typical
Creep Relaxation at 6391 psi (44.1 MPa) load	<3% Typical for 70 lb/ft <sup>3</sup>
Air Aging, 5 hours at 540°C  Weight Loss Compressibility Recovery	  2% Typical 41% Typical 17% Typical
Certification	Certify to Grade

**Notes:**

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

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