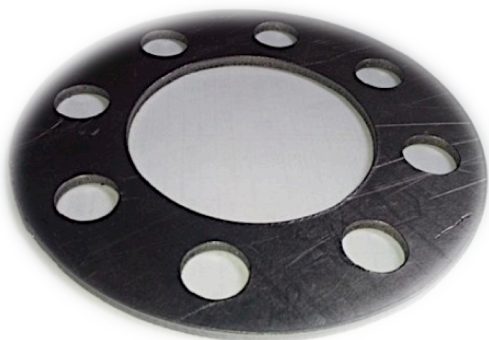
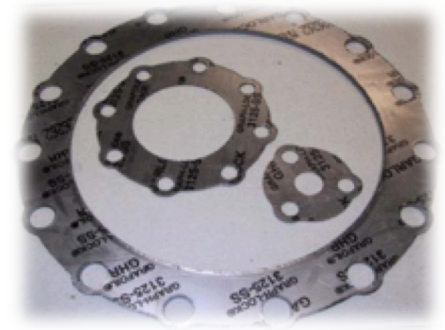


- GRAFOIL® Graphite clad non-metal Laminate materials are single-layer pure flexible graphite of the same grade thermally bonded to both sides of a non-metal substrate.
- Continuous operating temperature up to 400°C.
- **GRAFOIL® GHP** is flexible graphite clad thermally bonded on a plastic substrate.
- **GRAFOIL® GHW** is flexible graphite thermally bonded on both side of a fiberglass substrate.
- Graphite purity 98%.
- Chemical resistant to aggressive chemical.
- The most efficient sealing gaskets and packing.
- Good and healthy replacement for asbestos.
- Unlimited shelf Life.



Product Family

Reinforced Laminate

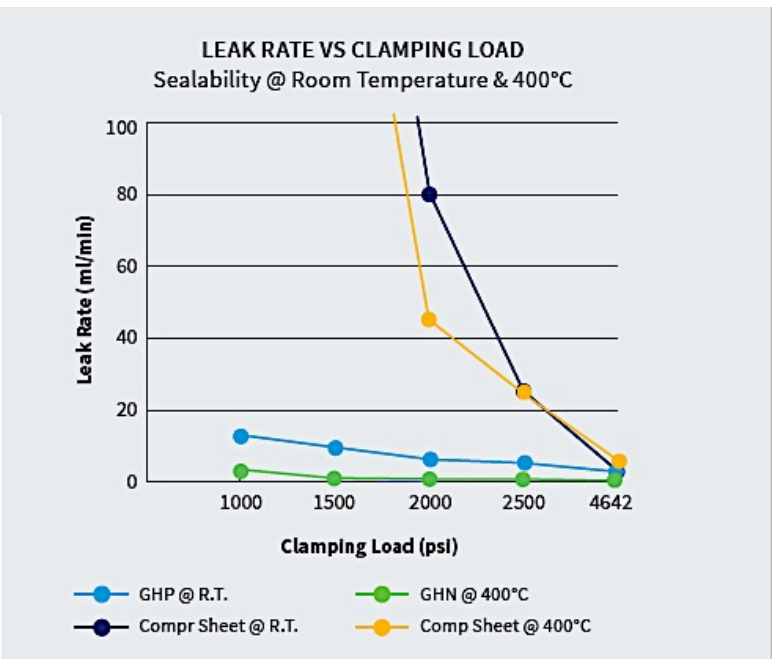
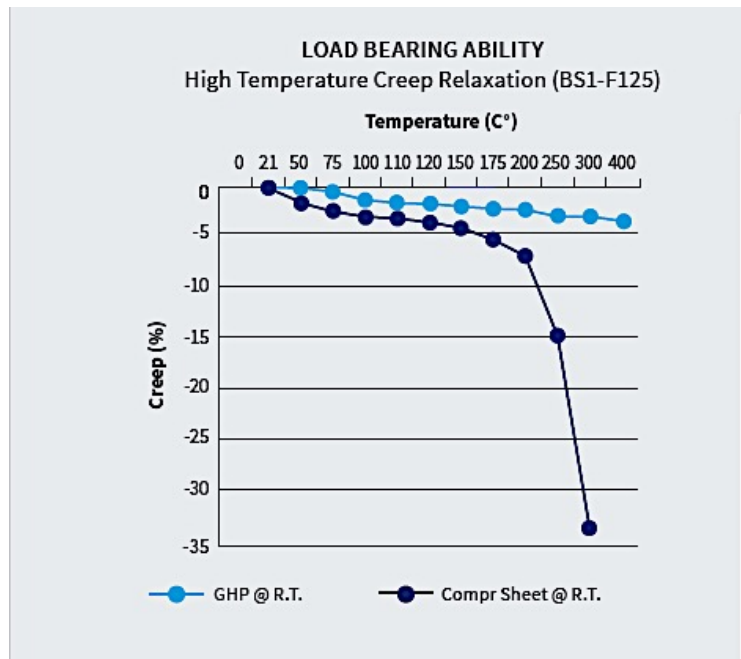
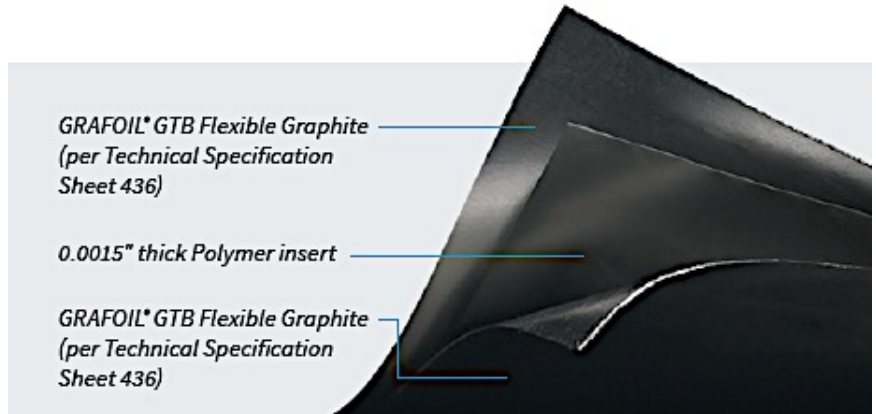
GHP – GTB with plastic insert

Product Overview

GRAFOIL® GHP non-metal- reinforced laminate consists of GRAFOIL® GTB flexible graphite thermally bonded on both sides of a plastic insert.

Applications

- Valves
- Pumps
- Compressors
- Steam traps
- Heat exchangers
- Pipe Flanges/ASME/API/DIN flanges
- Glass-lined or low load flange equipment



Advantages of GHP Non-metal Reinforced Laminate

- Superior to non asbestos fibre sheet in every characteristic (Temperature, Creep, Recovery, and sealability)
- Compatible with a wide range of chemicals
- Maximum continuous operating temperature of 400°C
- Contain no hazardous materials
- Material availability in rolls allows for maximum material utilization
- Easy to cut
- Robust for easy handling and durable
- Unlimited shelf life
- Cost effective

Typical Properties* GRAFOIL® GHP

Characteristic	Typical Value
Thickness	0.032" (0.81 mm) 0.062" (1.57 mm)
Width	39.4" (1000 mm)
Length	39.4" (1000 mm) 100' (30.5 mt)
Bulk Density	70 lb/ft ³ (1.12 g/cc)
Compressibility at 5000 psi (35 MPa) load	44%
Recovery at 5000 psi (35 MPa) load	14%
Creep Relaxation Method: BSI-F 125 at 6391 psi (44.1 MPa) load up to 400°C	<4% for 70 lb/ft ³
Sealability Method: Mod DIN 3535 at 580 psi N2 at 32 MPa load	<1.5 ml/min for 70 lb/ft ³
Tensile Strength	765 psi (5.3MPa)
Certification	Certify to Grade
Note: *Properties listed are typical and cannot be used as accept/reject specifications	

Product Family

Reinforced Laminate

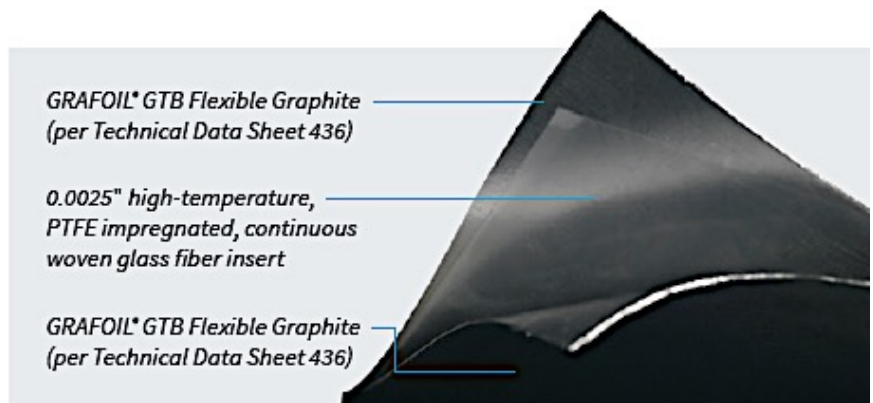
GHW – GTB flexible graphite with woven fiberglass insert

Product Overview

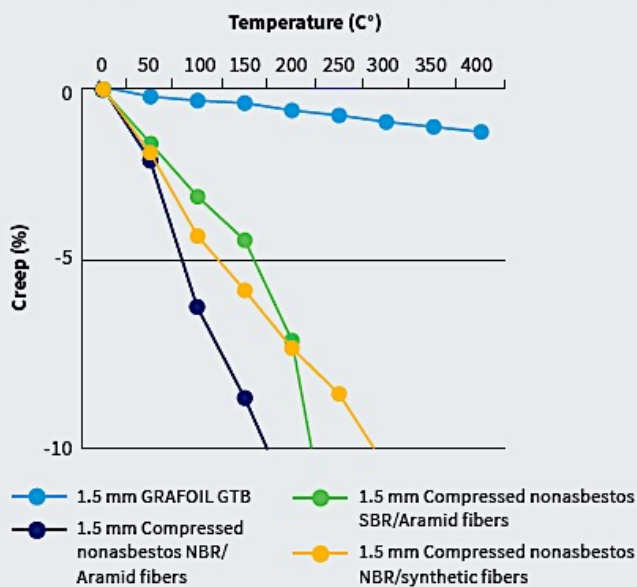
GRAFOIL® GHW non-metal- reinforced laminate consists of GRAFOIL® GTB flexible graphite thermally bonded on both sides of a continuous woven fiberglass insert.

Applications

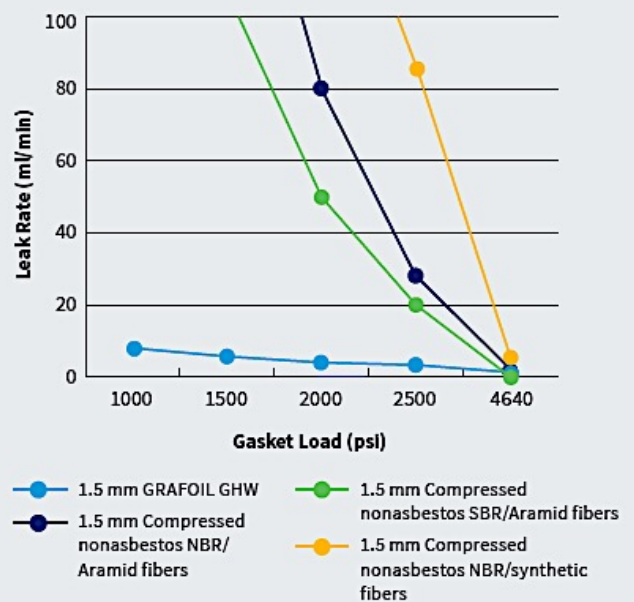
- Valves
- Pumps
- Compressors
- Steam traps
- Heat exchangers
- Pipe Flanges/ASME/API/DIN flanges
- Glass-lined or low load flange equipment



LOAD BEARING ABILITY
High Temperature Creep Relaxation (BS1-F125)



SEALABILITY (MODIFIED DIN3535)



Advantages of GHW Non-metal Reinforced Laminate

- Superior to non asbestos fibre sheet in every characteristic (Temperature, Creep, Recovery, and sealability)
- Compatible with a wide range of chemicals
- Maximum continuous operating temperature of 400°C
- Contain no hazardous materials
- Material availability in rolls allows for maximum material utilization
- Easy to cut
- Robust for easy handling and durable
- Unlimited shelf life
- Cost effective

Typical Properties* GRAFOIL® GHW

Characteristic	Typical Value
Thickness	0.062" (1.57 mm) 0.122" (3.10 mm)
Width	40" (1016 mm) 60" (1524 mm)
Length	60" (1524 mm)
Bulk Density	70 lb/ft ³ (1.12 g/cc)
Compressibility at 5000 psi (35 MPa) load	44%
Recovery at 5000 psi (35 MPa) load	15%
Creep Relaxation Method: BSI-F 125 at 6391 psi (44.1 MPa) load up to 400°C	<3% for 70 lb/ft ³
Sealability Method: Mod DIN 3535 at 580 psi N2 at 32 MPa load	<1.5 ml/min for 70 lb/ft ³
Certification	Certify to Grade

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

ASME Gasket Factors

- “m” Factor: 2
- “y” Stress: 900 psi (6.22 MPa)
- Max Gasket Unit Load: 24,000 psi (165.87 MPa)
- Max Operating Pressure: Rated for ASME class 150 or class 300 flanges

Asia authorized distributor: Everjoy Industrial Supplies Pte. Ltd.

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