

## GrafTech GRAFOILÂ® GHE Standard Fluid Sealing Laminate, Metal Reinforced

Category : Carbon , Graphite

### Material Notes:

GRAFOILÂ® Grade GHE laminate is made with GTB flexible graphite mechanically bonded to both faces of a 316 or 316L stainless steel tang metal insert. Surface identifiable, the laminate is branded with the GRAFOILÂ® grade and source guarantee. Grade GHE is suitable for standard industrial fluid sealing applications as well as applications in: chemical, petrochemical, refinery, steam service, cryogenic, and ASME class 150 & 300 flanges. While maintaining an effective seal, GRAFOILÂ® material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced. Laminate Construction: GRAFOILÂ® Grade GTB ? 0.004" thick (prior to tanging) 316 or 316L stainless steel (per ASTM A-240) ? GRAFOILÂ® Grade GTB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_GrafTech-GRAFOIL-GHE-Standard-Fluid-Sealing-Laminate-Metal-Reinforced.php](http://www.lookpolymers.com/polymer_GrafTech-GRAFOIL-GHE-Standard-Fluid-Sealing-Laminate-Metal-Reinforced.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	Standard; Graphite
Thickness	1630 microns	64.2 mil	Standard; Laminate
	3150 microns	124 mil	Standard; Laminate

Mechanical Properties	Metric	English	Comments
Compression Set	82 %	82 %	Typical for 0.064" thick
	@Pressure 34.5 MPa	@Pressure 5000 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	525 Â°C	977 Â°F	
Minimum Service Temperature, Air	-240 Â°C	-400 Â°F	

Descriptive Properties	Value	Comments
"m" Factor	2	ASME Gasket Factor
"y" Stress (psi)	2500	ASME Gasket Factor
Compressibility (%)	36	at 5000 psi load; Typical for 0.064" thick
Max Gasket Unit Load (psi)	24000	ASME Gasket Factor
Resistance in #1 Oil (%)	<33	Weight change
	<8	Thickness increase
Resistance in #3 Oil (%)	<12	Thickness increase

Descriptive Properties	Value	Weight change Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China