

## GrafTech GRAFOIL<sup>®</sup> GHH Standard Internal Combustion Laminate, Metal Reinforced

Category : Carbon , Graphite

**Material Notes:**

GRAFOIL<sup>®</sup> Grade GHH is a laminate made with GRAFOIL<sup>®</sup> Grade GTC flexible graphite chemically bonded to both faces of a flat, low-carbon steel core. Its applications include: exhaust sealing, gasoline/diesel head gaskets, EGR valve sealing, and turbo charger gaskets. While maintaining an effective seal, GRAFOIL<sup>®</sup> material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced. Laminate Construction: GRAFOIL<sup>®</sup> Grade GTC ? micro-thin, phenolic-based adhesive ? 0.004" thick Low-Carbon Steel Grade 1008 or 1010 ? micro-thin, phenolic-based adhesive ? GRAFOIL<sup>®</sup> Grade GTC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_GrafTech-GRAFOIL-GHH-Standard-Internal-Combustion-Laminate-Metal-Reinforced.php](http://www.lookpolymers.com/polymer_GrafTech-GRAFOIL-GHH-Standard-Internal-Combustion-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	610 microns	24.0 mil	Standard; Laminate
	860 microns	33.9 mil	Standard; Laminate
	1630 microns	64.2 mil	Standard; Laminate

Mechanical Properties	Metric	English	Comments
Compression Set	83 %	83 %	Air Aging (5 hours at 540 <sup>°</sup> C)
	74 %	74 %	after 5000 psi load
	@Pressure 34.5 MPa	@Pressure 5000 psi	

Descriptive Properties	Value	Comments
Compressibility (%)	36	at 5000 psi load
	41	Air Aging (5 hours at 540 <sup>°</sup> C)

### Contact Songhan Plastic Technology Co.,Ltd.

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