

**Grade GHC Typical Properties<sup>1</sup>**

GRAFOIL grade GHC is a laminate made from grade GTC flexible graphite.

Laminate Construction:

1. GRAFOIL Grade GTC (per Technical Bulletin 002)
2. Micro-thin, phenolic-based adhesive
3. GRAFOIL Grade GTC (per Technical Bulletin 002)

<b>CHARACTERISTIC</b>	<b>TYPICAL PROPERTY</b>
<b>Thickness</b>	0.060" (1.52 mm) 0.080" (2.03 mm) 0.120" (3.05 mm) <i>Non-standard thicknesses may be available upon request.</i>
<b>Width</b>	39.4" (1000 mm) Available <i>Non-standard widths may be available upon request.</i>
<b>Length</b>	100' (30.5 m) Available <i>Non-standard lengths may be available upon request.</i>
<b>Bulk Density</b>	70 lb/ft <sup>3</sup> (1.12 g/cc) Available <i>Non-standard densities may be available upon request.</i>
<b>Ash Content</b>	3% Typical
<b>Carbon Content</b>	97% Typical
<b>Moisture</b>	0.1% Typical
<b>Leachable Chloride</b>	<10 ppm Typical
<b>Oxidation Weight Loss</b> After 1 hour at 670°C	12% Typical
<b>Compressibility</b> at 5000 psi (35 MPa) load	43% Typical
<b>Recovery</b> after 5000 psi (35 MPa) load	13% Typical
<b>Tensile Strength</b>	650 psi Typical
<b>Temperature Use Range</b>	-400°F to 850°F (-240°C to 450°C)
<b>Creep Relaxation</b> at 3000 psi (20 MPa) load for 22 hours at 100°C	<3% Typical
<b>Sealability</b> ASTM F2387 580 psi N <sub>2</sub> at 32 MPa load	1.5ml/min Typical
<b>Certification</b>	Certify to Grade

<sup>1</sup>Properties listed are typical and cannot be used as accept/reject specifications. Specifications are listed under Technical Bulletin 467.