

GHC Laminate

Technical Data Sheet 466

Product Overview

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

Laminate Construction

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

Typical Properties*

Characteristic	Value
Thickness	0.060" (1.52 mm) 0.080" (2.03 mm) 0.120" (3.05 mm) Non-standard thicknesses may be available upon request
Width	39.4" (1000 mm) Available Non-standard widths may be available upon request
Length	100' (30.5 m) Available Non-standard lengths may be available upon request
Bulk Density	70 lb/ft ³ (1.12 g/cc) Available Non-standard densities may be available upon request
Ash Content	3% Typical
Carbon Content	97% Typical
Moisture	0.1% Typical
Leachable Chloride	<10 ppm Typical
Oxidation Weight Loss After 1 hour at 670°C	12% Typical
Compressibility at 5000 psi (35 MPa) load	43% Typical
Recovery after 5000 psi (35 MPa) load	13% Typical
Tensile Strength	650 psi Typical
Temperature Use Range	-400°F to 850°F (-240°C to 450°C)
Creep Relaxation at 3000 psi (20 MPa) load for 22 hours at 100°C	<3% Typical
Sealability ASTM F2387 580 psi N2 at 32 MPa load	1.5ml/min Typical
Certification	Certify to Grade

Notes:

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

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