

GHL-J & GHL Flexible Graphite Laminate

TECHNICAL DATA SHEET 438

Product Family - Laminates (Multi-Layer Graphite)

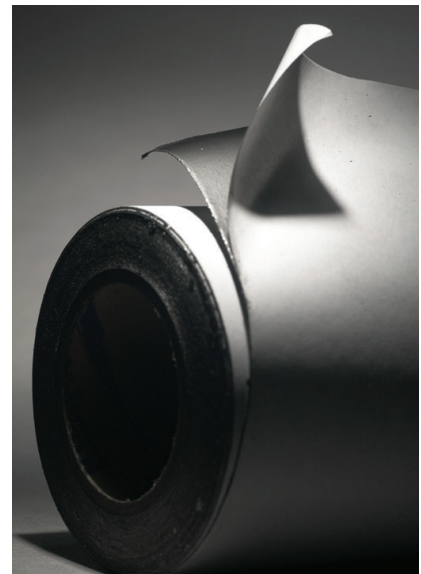
- GHL-A, GHC - Adhesively Bonded (GTA, GTC)
- GHA, GHA-C - Cured for Low Outgassing (GTA, GTC)
- **GHL-J, GHL - Adhesively Bonded, Inhibited (GTJ, GTB)**
- GHA-J, GHB - Cured for Low Outgassing (GTJ, GTB)

GHL-J Laminate Construction

- 1) GRAFOIL® GTJ flexible graphite (per Technical Data Sheet 437)
- 2) Micro-thin, phenolic-based adhesive
- 3) GRAFOIL® GTJ flexible graphite (per Technical Data Sheet 437)

GHL Laminate Construction

- 1) GRAFOIL® GTB flexible graphite (per Technical Data Sheet 436)
- 2) Micro-thin, phenolic-based adhesive
- 3) GRAFOIL® GTB flexible graphite (per Technical Data Sheet 436)



Typical Properties*

CHARACTERISTIC	GHL-J TYPICAL VALUE	GHL TYPICAL VALUE
Thickness of Laminate	Multiples of 0.030" (0.762 mm)	0.060" (1.52 mm) 0.080" (2.032 mm) 0.120" (3.05 mm)
Width	39.4" (1000 mm)	39.4" (1000 mm)
Length	39.4" (1000 mm)	39.4" (1000 mm)
Bulk Density (Graphite)	70 lb/ft ³ (1.12 g/cc)	70 lb/ft ³ (1.12 g/cc)
Compressibility at 5000 psi (35 MPa) load	43%	43%
Recovery after 5000 psi (35 MPa) load	11%	11%
Creep Relaxation Method: BSI-F125 at 6000 psi (40 MPa) loadup to 400°C	< 3% for 70 lb/ft ³	< 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	< 1.5 ml/min for 70 lb/ft ³
Temperature Use Range	-400°F to 975°F (-240°C to 525°C)	-400°F to 975°F (-240°C to 525°C)

Notes:

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

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