

LGL TECHNICAL SPECIFICATIONS

LGL is homogeneous graphite sheets are manufactured from high carbon content of minimum 98% natural graphite.

Typical Specifications

Nominal Thickness	0.030"-0.120"
Density	62.4 lbs/ ft ³ - 70 lbs/ft ³ (ASTM F-1315)
Ash Content (Max)	2.0%
Total Chlorine (Max)	50 ppm
Leachable Fluorides	≤ 50ppm
Compressibility	30%-40%
Recovery	10 - 15% (ASTM F-36)
Creep Relaxation	< 4%
Stability Under Stress (DIN 52913)	48 N/m ²
ASME Code Factor "M value"	2.5
ASME Code Factor "Y value"	1000 PSI
Gas Permeability According DIN 3535 (0.60")	<1.0 ml/min
Tp Max at 15,000 PSI Gasket Stress	1776 PSI
Compressive Strength	30,000 PSI minimum (ASTM C-695)
Max Sulfur (Spiral Wound Material)	700ppm
Max Sulfur (Heat Exchanger Material)	1000ppm
Max Sulfur (Nuclear Grades)	400ppm
PVRC Design Constants*:	Gv = 970 PSI A = 0.384 PSI Gs = 0.050 PSI

For assistance with Lamons Flexible Graphite sizing and design, contact
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