

LG-TC TECHNICAL SPECIFICATIONS

LG-TC is a reinforced flexible graphite sheet material laminated with tanged 316/316L stainless steel insert and made with minimum 98% typical carbon content.

Typical Specifications

Nominal Thickness	0.030"-0.120"
316/316L Insert Thickness	0.004"/0.005"
Density	70 lb/ft ³
Ash Content (Max)	1.0%
Total Chlorine (Max)	50 ppm
Number of Inserts	One
Compressibility	30%-40%
Recovery	15%-20%
Creep Relaxation	<4%
Stability Under Stress (DIN 52913)	48 N/m ²
ASME Code Factor "M value"	2
ASME Code Factor "Y value"	2500 PSI
Gas Permeability According DIN 3535 (0.60")	<1.0 ml/min
Tp Max at 15,000 PSI Gasket Stress	2287 PSI
PVRC Design Constants*:	Gv = 1400 PSI A = 0.324 PSI Gs = 0.010 PSI
Typical Thicknesses	1/16" 1/8"

*The values are taken from BFG-6.1 and ROTT test results are subject to interpretation and can lead to differing design constants.

For assistance with Lamons Flexible Graphite sizing and design, contact Lamons Engineering Department: engineering@lamons.com