

Product Data Sheet

GT-Flexible Graphite Sheet

Description:

Style GT is a high purity graphite sheet with .004” thick tanged 316L stainless steel tanged reinforcement. The sheet construction is minimum of 98% high purity flexible graphite without use of any fillers or binders, which is bonded to the stainless-steel core. This style delivers excellent sealing properties for application requiring lower bolt loads. Flexible graphite is pliable enough to “flow” into irregular flange surfaces while maintaining a positive seal and exhibits very low “creep relation” properties. Furthermore, this material provides outstanding chemical resistance for nearly all media with the exception of concentrated and extreme oxidizing acids.

Resistant to many chemicals including:

- Steam
- General Chemicals
- Mild organic and inorganic acids
- Petroleum
- Diluted alkalis



Typical Properties	
Density	70 lb./ft ³
ASTM Compressibility	30%-40%
ASTM Recovery	15%-20%
Creep Relaxation	<4%
Ash Content (Max)	2.0%
Total Chlorine (Max)	50 ppm
ASME Code “M Factor”	2
ASME Code “Y Factor”	900
Temperature Range	Cryogenic To 850° F in oxidizing environment Up to 1250° F in inert or reducing environment
Construction and Availability	
Graphite	98% Purity Min
Reinforcement	Approx. 0.004”
Sheet Size	60” x 60”
Thickness Range:	1/16”
	1/8”
	3/16”