



## 3S-GT

### Description:

Style GT is a high purity graphite sheet with .004" thick tanged 316L stainless steel tanged reinforcement. The sheet construction is a minimum of 98% high purity flexible graphite without use of any fillers or binders, which is mechanically bonded to the stainless-steel core. 3S-GT 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.

### Temperature & Pressure Limits:

Maximum Continuous Temperature =	850 Deg F (454 Deg C)
Maximum Short-Term Temperature =	900 Deg F (482 Deg C)
Maximum Pressure @ Maximum Continuous Temperature =	870 psi (60 Bar)

Color = Black / Gray  
 Thickness = 1/16" & 1/8" (1.6mm & 3.2mm)  
 Sheet Size = 60" x 60"  
 Cut Gaskets are also available  
 Other thicknesses available on request

### Properties:

<b>Density</b>		70 lb./ft <sup>3</sup>
<b>Sealability</b>	DIN 3535	< 0.05 ml/min
<b>Compressibility</b>	ASTM F-36 J	30 – 40%
<b>Recovery</b>	ASTM F-36 J	20% min
<b>Creep Relaxation</b>	ASTM F-38	<4%
<b>Graphite Purity</b>		>98%
<b>Ash Content</b>		<2%
<b>Total Chlorides</b>		<50 ppm
<b>m &amp; y values</b>	1/16" thickness	1/8" thickness
<b>m</b>	2.0	2.0
<b>y</b>	2500 psi	2500 psi

The above data is relevant to the test standard thickness