



3S-GF

Description:

Style GF is a high purity graphite sheet with .002” foil 316L stainless steel reinforcement. The sheet construction is a minimum of 98% high purity flexible graphite without use of any fillers or binders, which is bonded to the stainless steel core (Foil). 3S-GF offers excellent sealing properties for applications requiring lower bolt loads. Flexible graphite is pliable enough to “flow” into irregular flange surfaces while maintaining a positive seal and exhibiting low “creep relation” properties. In addition, this style 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 =	740 psi (51 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:

Density		70 lb./ft ³
Sealability	DIN 3535	< 0.01 ml/min
Compressibility	ASTM F-36 J	30 – 40%
Recovery	ASTM F-36 J	20% min
Creep Relaxation	ASTM F-38	<4%
Graphite Purity		>98%
Ash Content		<2%
Total Chlorides		<50 ppm
m & y values	1/16” thickness	1/8” thickness
m	2.0	2.0
y	900 psi	900 psi

The above data is relevant to the test standard thickness