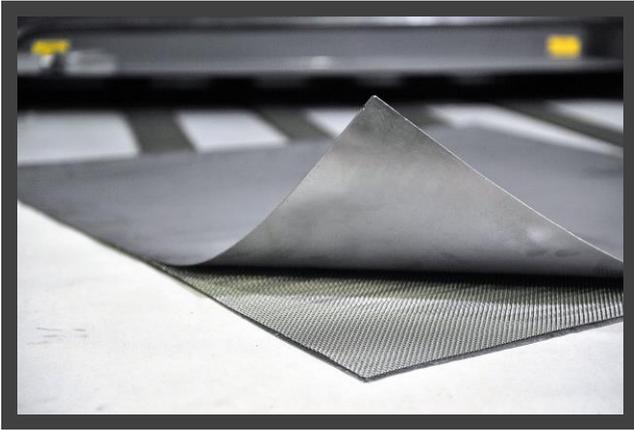


GEE GRAPHITE TECHNICAL DATASHEET



GEEGRAF Tanged Stainless Steel Reinforced Sheet



GEEGRAF Tanged Stainless Steel Reinforced Sheet v1.0

A reinforced graphite sheet where the graphite is mechanically bonded to a tanged core. Available in sheets 1000mm x 1000mm or as cut gaskets. The material comprises two outer layers of graphite foil with a central tanged stainless steel core 0.1mm thick. Due to the thickness of the tanged core; gaskets are best cut using the abrasive water jet cutting process.

Features

- Graphite Purity 99% minimum.
- 0.1mm thick 1.4401 316 stainless steel foil reinforcement.
- Thickness range 1.0mm to 4.0mm.
- Mechanically bonded laminate. No adhesive used.
- Optimum material for thermal cycling applications and where vibration is a problem.
- Withstands high compressive stresses.
- Greater recovery characteristics than flat metal reinforcement.
- Improved blow-out resistance.
- Difficult to cut by traditional methods, best results obtained by abrasive water-jet cutting for a smooth safe edge finish.
- Maximum service temperature 500°C in oxidizing conditions.
- Maximum service temperature 750°C in inert and reducing conditions.
- Maximum service pressure 200 Bar.
- Can be used at cryogenic temperatures.
- Compressibility 30 to 35%.
- Recovery 15 to 20%.

Good flange design parameters and correct gasket fitting procedures should be adhered to, with maximum temperature and pressure guides not being used simultaneously.

Availability

Code	Thickness mm	Size Sheet mm
SST100	1.0	1000 X 1000
SST150	1.5	1000 X 1000
SST200	2.0	1000 X 1000
SST300	3.0	1000 X 1000
SST400	4.0	1000 X 1000

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical co-operation is given for customer's assistance only and without liability on the part of the company.



GEE GRAPHITE LTD



For more information about this product and all our range please visit our website at www.GeeGraphite.com