



Gee Graphite Data Sheet



Geegraf SST Tanged Stainless Steel Reinforced Graphite Sheet

A graphite sheet material mechanically bonded and available in one metre square sheets or cut gaskets. The material comprises two outer layers of graphite foil with a central tanged stainless steel core 0.1mm thick. The layers are mechanically pressed together in-house with a laminating technique that does not delaminate during punching, storage and use.

Features

- Standard Carbon content 99% minimum.
- 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 oxidising 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	Sheet Size 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

Large diameter gaskets can be [Water Jet cut](#) in segments with dovetail joints are available.

STANDARD SHEETS AVAILABLE FROM STOCK