



# Gee Graphite Data Sheet



## Geegraf NR

NR Nickel Reinforced Graphite sheet.

A graphite sheet material that is easy to cut on-site, available in one metre square sheets or cut gaskets. The material comprises two outer layers of graphite foil with a central nickel core 0.026mm thick. The layers are bonded together in-house with a unique high temperature adhesive bonding system that does not delaminate during punching, storage and use.

### Features

- Standard Carbon content 99% minimum.
- Thickness range 0.4mm to 4.0mm.
- Exceptional resistance to chemicals.
- Easily cut by traditional methods.
- Maximum service temperature 500°C in oxidising conditions.
- Maximum service temperature 1000°C in inert and reducing conditions.
- Maximum service pressure 140 Bar.
- Can be used at cryogenic temperatures.
- Compressibility 40 to 50%.
- Recovery 10 to 15%.
- 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
NR40	0.4	1000 x 1000
NR75	0.75	1000 x 1000
NR100	1.0	1000 x 1000
NR150	1.5	1000 x 1000
NR200	2.0	1000 x 1000
NR300	3.0	1000 x 1000
NR400	4.0	1000 x 1000

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

**STANDARD SHEETS AVAILABLE FROM STOCK**