



POLYURETHANE REINFORCED GRAPHITE

Geegraf polyurethane reinforced graphite sheet material comprises two outer layers of graphite foil with a central polyurethane core. We offer the complete process from selection of high purity graphite foil, laminating, curing and final inspection all carried out in house, by using our unique high temperature adhesive system giving a 100% bond we can convert the finished sheet in to gaskets with narrow land widths and/or complex geometry with no delamination.

- **Material**
99 % pure Graphite
- **Filler material**
Ultra-thin polyurethane film reinforcement – Film thickness 0.005 microns
- **Gasket thickness**
4.5 mm Standard (Also available 3.2, 6.4 mm and 7.2 mm)
- **Pressure**
100 bar
- **Temperature**
Max service 550°C in oxidising conditions. Consult with Gee if temperature above 550°C
- **Compressibility**
40-50%
- **Recovery**
10-15%

Polyurethane reinforced graphite gaskets are used on metal to glass applications and used for sealing at a low seating stress. Sheets are available 1000mm x 1000mm and are available in a variety of thicknesses from 0.4mm to 4.0mm, easily cut by traditional methods.

All data quoted is based on years of experience in production & operation of sealing solutions. In view of the wide variety of possible installation & operating conditions this cannot draw final conclusion in all application cases regarding the behaviour of the product. The data may not therefore, be used to support any warranty claims. Should you have any doubts about the choice of material, please contact Gee Graphite direct. Tel UK 01924 480011.

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