



## NICKEL REINFORCED GRAPHITE

Our unique nickel reinforced graphite sheet contains two layers of graphite with a nickel foil core at a thickness of 0.026mm thick, 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**  
0.026mm thick high purity nickel foil reinforcement
- **Pressure**  
140 Bar
- **Temperature**  
Max service 500°C in oxidising conditions. Consult with Gee for more information  
Maximum service temperature 1000°C in inert and reducing conditions
- **Compressibility**  
40-50%
- **Recovery**  
10-15%

All reinforced graphite foils can be water jet cut to create various shaped gaskets. On site we have 8 water jet cutting machines using both single and multi-head. Water jet cutting uses a computer-controlled jet of water pressurised to 3600 Bar. The process has been modified to suit the production of gaskets and now the most intricate designs can be cut accurately with no tooling costs offering a clean safe, smooth edge finish.

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.

# GRAPHITE