



**SPIRALTEC**  
GASKET CO.



## **GHE: Graphite Laminate with tanged (perforated) tinplate steel insert**

Graphite Sheet Laminate with reinforcement perforated .007" thick tinplated carbon steel tang insert, mechanically bond. Made with high purity Flexible Graphite Industrial Grade Foil.

### **Main Characteristics and Properties**

- Excellent Sealability that meets stringent emission regulations
- High Temperature Resistant
- Thermal conductive
- Chemical Resistant
- Blow-out Resistant
- Non-aging, no creep relaxation

Chemical Compositions of Flexible Graphite:

- Carbon: 99% Min.; Ash: 0.8% Max; Leachable Chloride: 30ppm Max
- Compressibility (ASTM F-36) 32%
- Recovery (ASTM F36) 20%
- Creep Relaxation (ASTM F-38) Less than 5%

Working Temperature Range:

- Oxidizing Atmosphere, such as air: -400° F to 950° F (-240°C to 510°C)
- Mild Oxidizing Atmosphere of most gasket applications: -400° F to 1500° F (-240°C to 850° C)

### **Product Applications**

GHE is an ideal sheet gasket material for automotive and other combustion engine applications, or similar sealing conditions. Typically it is used for head gasket, or exhaust gasket. It has excellent thermal conductivity, and does not age in high temperature gasoline and exhaust environment.

### **Product Sizes and Options**

Standard Thickness: 047", 1/16", 1/8"

Sheet Size: 19.7" x 39.4" (Half meter), 39.4" x 39.4" (Meter Size)