



High purity graphite laminate reinforced with a flat stainless steel core. RGS4 can be used to seal a wide range of media at moderate combinations of temperature and pressure. For applications sealing inert or reducing media, at temperatures in excess of 370 °C, attention must be given to the possibility of oxidative attack on the gasket from the external environment.

Not recommended for sealing against strong chemical oxidising agents.

*For long term continuous use in oxidising environments at temperatures in excess of 370°C please consult Seaco.*

## Maximum recommended pressure

- ASME B16.5 Class rating pressure systems up to and including 600
- PN rated pressure systems up to and including PN100

## Materials

- Facing material: 98% pure graphite foil.
- Reinforcement: 0.05mm thick flat stainless steel UNS S31600
- Bond Type : Adhesive.

## Availability

Sheet size:

- 1.0 M x 1.0 M
- 1.5 M x 1.5 M

## Thickness range

- 0.75mm to 3.0mm

## Colour

- Silver / Grey

## Typical Physical Properties

- |                                  |                      |
|----------------------------------|----------------------|
| • Thickness                      | 1.5mm                |
| • Density                        | 1.2g/cm <sup>3</sup> |
| • ASTM F36A Compressibility      | 40%                  |
| • ASTM F36A Recovery             | 20%                  |
| • BS 7531 Residual Stress        | 32MPa                |
| • ASTM F152 Tensile Strength     | 20MPa                |
| • Leachable Chloride Ion Content | < 50ppm              |
| • Leachable Fluoride Ion Content | < 50ppm              |

## Warranty exclusion

In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.