



This material is recommended for general sealing applications and can be used for sealing steam and most chemicals with the exception of strong oxidizing media. It is particularly recommended where ease of gasket cutting is important. Use with strong chemical oxidising agents should be avoided.

## Maximum recommended temperature

- Thermal oxidising media 370 °C
- Inert or reducing media 1000 °C

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

*For long term continuous use in oxidising environments at temperatures in excess of 370 °C please consult Flexitallic Applications Engineering Department*

## 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:	13 micron pure nickel foil.
Bond Type:	Adhesive.

## Availability

- Sheet size:
- 1.0m x 1.0m
  - 1.5m x 1.5m

## Thickness range

- 0.4 – 3.0mm

## Colour

- Silver / Grey

## Typical Physical Properties

- Thickness 1.5 mm
- Density 1g/cm<sup>3</sup>
- ASTM F36A Compressibility 45%
- ASTM F36A Recovery 10%
- BS 7531 Residual Stress 39 MPa
- ASTM F152 Tensile Strength 7 MPa
- Leachable Chloride Ion Content < 50 ppm
- Leachable Fluoride Ion Content < 50 ppm

## 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.