



PRODUCT
REFERENCE:

FLEXIGRAF FGS4

DESCRIPTION: FGS4 is > **98% pure graphite** foil reinforced with a 0.05 mm thick flat **stainless steel** core (AISI 316L grade).

SERVICE: FGS4 is recommended for high temperature, high pressure sealing applications. The inclusion of steel reinforcing layer gives rise to a robust sheet with excellent handling characteristics. Can be used to seal a wide range of media, with the exception of strong oxidising agents, at extreme temperature and pressure. The soft conformable nature of graphite facing material makes FGS4 suitable for sealing between worn or pitted flanges. Typical industries where is used include power generation and petrochemical plants.

Maximum recommended temperature: 700°C (1290 °F) (inert or reducing media)
550°C (1020 °F) (oxidising media)
Maximum recommended pressure: 15 MPa (2200 psi)

Note: for applications sealing inert or reducing media, attention must be given to the possibility of oxidative attack on the gasket from the external environment. Use with strong oxidising agents should be avoided.

TYPICAL
PHYSICAL
PROPERTIES:

Thickness: 1.50 mm
Density 1.3 g/cm³
ASTM Compressibility 40 %
ASTM Recovery 20 %
BS Residual Stress 32 MPa
ASTM Tensile Strength 20 MPa
Leachable Chloride Ion Content <50 ppm
Leachable Fluoride Ion Content <50 ppm

AVAILABILITY: Sheet size: 1.0 x 1.0 m; 1.5 x 1.5 m; others
Tolerance: +0 – 50 mm
Thickness range: 0.4 to 5.0 mm
Tolerance: +-10%
We can supply other sizes upon request.

Quality System is ISO 9001-2000