

# FLEXIGRAF FGS11

**DESCRIPTION:** > **98% pure graphite** sheet reinforced with a double **13 µm nickel** foil.

**SERVICE:** Suitable for use in general gasket applications and can be used for sealing steam and most chemicals with the exception of strong oxidising agents. It's particularly recommended for ease of cutting.

Maximum recommended temperature: 1000°C (1830 °F) (inert or reducing media)  
550°C (1020 °F) (oxidising media)

Maximum recommended pressure: 15 MPa (150 bar; 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.

**TYPICAL PHYSICAL PROPERTIES:**

Thickness:	1.50 mm
ASTM Compressibility	40 %
ASTM Recovery	15 %
BS Residual Stress	37 MPa
ASTM Tensile Strength	17 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

Tollerance: +0 - 50 mm

Thickness range: 0.4 to 5.0 mm

Tolerance: +-10%

We can supply other sizes upon request.

**F.M.I. S.p.A. Quality System is ISO 9001-2008**

FGS11 is also available with antistick treatment: a spray applied release coating especially developed for application to graphite based sheet sealing products. Our antistick is a component mixture of highly active ingredients and as such, it is applied as a thin film, a few microns thick.

This technical data is the result of laboratory test. It has to be considered as standard; to get a specific suggestion about the best material for each application it is necessary to give as many details as possible. Temperature and pressure values cannot be reached simultaneously and may not be apply at all thicknesses. F.M.I is issuing this literature as a pure informative document.

