



## **GRAFITE FGS 3**



### **DESCRIPTION :**

*Sandwich of expanded graphite with a purity > 98% product without the use of adhesives, reinforced with insertion of a stainless steel foil AISI 316 L (sp. 0,1 mm), perforated and harpooned, color natural graphite.*

### **TECHNICAL FEATURES :**

*FLEXIGRAF FGS3 thanks to the inclusion of the harpooned laminate layer is suitable for applications requiring high torque values and where are necessary high extrusion resistance.*



FLEXIGRAF FGS3 is suitable for a wide range of industrial applications including: saturated and superheated steam, aggressive chemical agents (except oxidizers). Recommended in the petrochemical and power generation where both high abrasion resistance is required.

Maximum recommended working temperature: 550 ° C (oxidizing environment), 700 ° (reducing environment).

Maximum recommended working pressure 20 MPa (2900 psi).

The use in the presence of strong oxidizing agents should be avoided. N.B: for application under reducing or inert environments above 550 ° C. We recommend extreme caution oxidative attack by external agents. Approvals DVGW (DIN 3535-6).

### PHYSICAL CHARACTERISTICS :

(Thickness 1,5 mm)

Compressibility	35%
Residual voltage (BS)	38 Mpa
Elastic return (ASTM F152)	³17 %
Tensile strength (ASTM F152)	³20 Mpa
Chlorine ion content (ASTM 1277)	<50 ppm
Fluoride ion content	<50 Ppm

### STANDARD FORMAT :

$\Phi$ ογλι:	Tolerance:
1500x1500 mm	-50
1500x1000 mm	-30
1000x1000 mm	-30
Thicknesses:	Tolerance:
0,75/1,0/1,5/2,0/3,0 mm	± 10%

Other sizes and thicknesses on request

### NOTE :

The data contained in this form are to be understood for guidance only and we reserve the right to enter any updates in case of technical changes of the product.



#### Insultech S.r.l.

Via della Pusterla, 27 20826 Misinto (MB)

Tel. +39 02 96321083 – 02 96320768

Fax +39 02 96321000

[www.insultech.it](http://www.insultech.it) - info@insultech.it

P. IVA e Cod. Fiscale 06531250964

Cap. Soc. 10.000,00 REA MB - 1861445