



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 :

Φ 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.



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