

LATTY[®]graf EFN/EFI

high performance expanded graphite gasket

with nickel/stainless steel ISO 1.4401 / AISI 316 reinforcement

Main applications

- Replacement of gaskets on spoiled, grooved and fragile flanges.
- Pipework flange gaskets especially in case of important thermal shocks.
- Casing/cover gasket for valves.
- Cover gaskets, manhole, drain cock, etc.
- Chemical, petrochemical, thermo or nuclear power station.
- Hot petroleum products, thermoliquids.

Operating parameters (non-associated)

	LATTYgraf EFN/EFI
Temperature	-200 °C to +600 °C
Pressure	(65 MPa) 650 bar
pH	0 to 14



Advantages

- Reduced maintenance, no retightening.
- Lower torque.
- Long life (no hardening during long storage life).
- Not susceptible to thermal shocks (no leaks on start up).
- Compensates for small irregularities.
- Non asbestos, non polluting.
- Resistant to all environments (except strong oxidants).
- Resistant to radiation.
- Resistant to corrosion (EFN).
- Easy to fit, easy to cut/EFN.



Format

EFI in 1 m × 1 m sheets, 1 mm and 1.5 mm thick, 2 mm with 50 μ reinforcement.

EFN in 1 m × 0.5 m size, 1 mm and 1.5 mm thick, 2 mm with 13 μ reinforcement.

Ready cut gaskets to order.

In our range of expanded graphite

Tapes

LATTYgraf E
LATTYgraf E1
LATTYgraf EMB
LATTYgraf E2 adhésif

Preformed rings

LATTYgraf E, E1
LATTYgraf E2, E2P
LATTYgraf EMB
LATTYgraf EXT, E1XT
LATTYgraf EBS, EBST
LATTYgraf BA

Sheets

LATTYgraf EFMCL
LATTYgraf EFABS

Gaskets

LATTYgraf REFLEX
LATTYgraf METAL

Physical characteristics

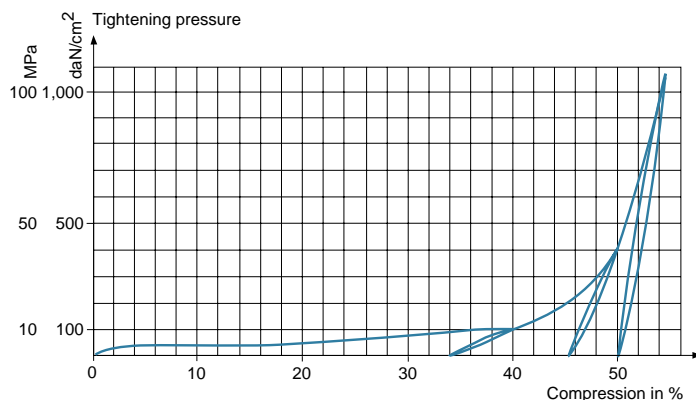
LATTYgraf EFN/EFI

Graphite density	1 or more (depending on the applications)
Resistance to breaking	>10 MPa
Compressibility according to ASTM F 36	50%
Elastic recovery ASTM F 36	>10%
Extractable chlorine-contents	<50 ppm

Examples of use

Cover gasket, heat, exchanger gasket.
Dimensions: dia. 1,130 mm.
Operation conditions 110 bar - 300 °C.

Compressibility and recovery depending on the pressure (for graphite 1 mm)



Tightening elements, 1.5 mm thick

The LATTYgraf EFN/EFI is recommended for low tightening applications:

According to ASME	Coeff. $y = 8 \text{ MPa}$ $m = 2$
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According to DIN 2505	$K_1 = 2.5 b_D$ $K_0 \times K_D = 5 b_D$ b_D (width of the gasket)
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Tightening pressure	• at 20 °C 200 MPa • at 400 °C 120 MPa
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Tightness according to DIN 35 35, sheet 6
Helium 40 bar – Tightening pressure 40 MPa

Leakage	< 0.2 cm ³ /min.
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The information given in this document is for guidance only and does not commit LATTY international in any way. LATTY international does not warrant the performance of its products, unless properly fitted and used in accordance with the instructions, nor can accept any claim for consequential liability.



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