Egraflex GHE
Graphite sheet with insert

Description
Graphite sheet (purity 98%) reinforced with a perforated stainless steel insert.

Technical properties
- Good chemical resistance
- Large temperature application limits

Application
Universal material for chemical and petrochemical industry. Suitable for thermal oils and steam at high temperature.

Chemical resistance, pressure and temperature
Pressure to 100 bar
Temperature -200°C in cryogenic environments, to +450 °C in an oxidizing environment.

Supply programme
- Sheets available in 1500 x 1500 mm and thickness 1,5 / 2,0 / 3,0 mm.
- Gaskets according to EN(DIN) and ASME norm Are generally available from stock. Besides that it is possible to cut or punch virutally any special shape or size from a sheet.

Approvals and certificates
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Table 1: Technical data*

Gasket factor	Norm	Value thickness 2 mm	Unit
Ash content	DIN 51903	<2	%
Perforated insert		1.4404 - RVS 316 L	
Thickness insert		0,1	mm
No. inserts		1	
Min. surface pressure σ_{Vu}	DIN 28090	20	MPa
Max. surface pressure σ_{Vo}	DIN 28090	160	MPa
Minimum temperature		-200	°C
Maximum temperature		+450	°C
Compression	ASTM F 36 J	40	%
Recovery	ASTM F 36 J	4	%
Max. applicable pressure*		100	bar
Density		1	g/cm³
Specific leak-tightness	DIN 3535-6	≤0,1	mg/(s*m)
Residual surface pressure	DIN 52 913 300 °C	>45	MPa
Chloride content		≤50	ppm
M		2,5	
Y		3000	PSI

* Depending on temperature en construction.

For more information, quotations or orders: Phone +31 (0)72 514 15 14 or E-mail info@eriks.nl

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