



## Egraflex SPG

### Graphite sheet with insert

#### Description

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

#### Technical properties

- Excellent gasket, widely applicable in (petro) chemical industry

#### Application

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

#### Chemical resistance, pressure and temperature

Pressure to 100 bar  
Temperature -200°C to max +450°C.

#### 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 virtually any special shape or size from a sheet.

#### Approvals and certificates

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 $\sigma_{vu}$	DIN 28090	20	MPa
Max. surface pressure $\sigma_{vo}$	DIN 28090	120	MPa
Minimum temperature		-200	°C
Maximum temperature		450	°C
Compression	ASTM F 36 J	30-40	%
Recovery	ASTM F 36 J	15-20	%
Max. applicable pressure*		100	bar
Density		1	g/cm <sup>3</sup>
Specific leak-tightness	DIN 3535-6	≤0,1	mg/(s*m)
Residual surface pressure	DIN 52 913 300 °C	42	MPa
Chloride content		≤50	ppm
M		2,5	
Y		4000	PSI

\* Depending on temperature en construction.

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