



**Graphite Sheet RX® Egraflex GHE**

Graphite sheet (purity 98%) reinforced with a perforated stainless steel insert. Density of the graphite: 1 gr/cm<sup>3</sup>. Universal gasket for (petro-) chemical industry. Suitable for use in thermal oil and steam in combination with high temperatures. Temperature range: From cryogen up to +500°C.

- Properties** : chemical resistant, wide temperature application range.
- Application** : Steam, chemicals, petro-chemicals, thermal oils, oxygen en liquid oxygen.
- Delivery options** : Sheets available in dimensions 1500x1500mm in thickness of 1,5/2,0/3,0mm
- Manufacturers Literature** : available on request
- Technical specifications** : see table 1

Gaskets according EN(DIN) and ASME are available ex-stock. All other (special) sizes or shapes can be cut from sheets.

**Tabel 1: Technical specifications RX Egraflex GHE**

Gasket factor	Norm	Value 1,5 mm	Value 2 mm	Unit
Ash content	DIN 51903	2	2	%
Perforated insert		RVS 316	RVS 316	
Thickness insert		0,1	0,1	mm
No. of inserts		1	1	
Min. Surface pressure $\Sigma_{Vu}$	DIN 28090	20	20	MPa
Max. Surface pressure $\Sigma_{Vo}$	DIN 29090	140	120	Mpa
Minimum temperature		200	200	°C
Maximum temperature		+500	+500	°C
Compression	åKSW	20-30	20-30	%
Recovery	åKRW	3-4	3-4	%
Max. allowable pressure*		150	150	bar
Density		1,0	1,0	g/cm <sup>3</sup>
Gas permability	DIN 3535	< 0,8	< 0,8	cm <sup>3</sup> /min
Specific density	DIN 3535-6	< 0,1	< 0,1	mg/(s*m)
Residual surface pressure				Mpa
Chloride content		<50	<50	ppm

\* Depends on temperature and construction