

# Graphite Sheet Novaphit SSTC



Novaphit SSTC consists of high-quality, graphite, reinforced with an expanded metal insertion made from acid proof stainless steel. The insertion aids recovery and provides an even seating stress. Suitable for chemical and petrochemical industries, chemicals, gas, steam and oils, fire safe. Temperatures from -240 up to +500 °C.

**Properties surface**

- : Doesn't stick to flange
- Chemical resistant
- Wide temperature range
- Fire safe

**Applications**

- : Steam, chemicals, petrochemicals, thermal oils, oxygen, and liquid oxygen.

**Delivery options**

- : Sheets available in 1500 x 1500 mm with thicknesses of 1.5 / 2.0 / 3.0 mm
- Gaskets for DIN and ANSI flanges are generally available from stock. In addition, nearly all special dimensions or shapes can be cut from the sheet.

**Tests and approvals**

- : BAM, KTW, DVGW, Fire Safe

**Manufacturer's literature**

- : Available on request

**Table 1: Technical specifications**

Gasket factor	Norm	Value thickness 1.5 mm	Value thickness 2 mm	Unit
Ash content		<2	<2	%
Perforated insert		316 SS	316 SS	
Thickness of insert		0.50	0.50	mm
No. of inserts		1	1	
Minimum surface pressure $\sigma_{VU}$	DIN 28090	10	10	MPa
Maximum surface pressure $\sigma_{VO}$	DIN 28090	120	90	MPa
Minimum temperature		-240	-240	°C
Maximum temperature		+500	+500	°C
Compression	ASTM F36 J	40	40	%
Recovery	ASTM F36 J	15	15	%
Maximum allowable pressure*		200	200	bar
Density	DIN 28090-2	1.30	1.30	g/cm <sup>3</sup>
Gas permeability	DIN 3535	<1	<1	cm <sup>3</sup> /min
Specific density	DIN 28090-2	0.05*	0.05*	mg/(s*m)
Residual surface pressure	DIN 52913	47	47	MPa
Chloride content		<50	<50	ppm

\*Dependent on temperature and construction

For more information, a quotation or to place an order, please contact one of our specialists on 0121 501 2021 or your local service centre ([www.eriks.co.uk](http://www.eriks.co.uk))