



# KLINGER graphite SLS

**Pure exfoliated graphite with a stainless steel foil reinforcement for improved handling and load-bearing characteristics. The excellent conformability of graphite means that the material is suitable for applications where bolt load is limited or flanges are damaged.**

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service

#### **General Properties**

- Excellent resistance to steam
- Resistant to virtually all media
- Outstanding resistance to high and low temperature
- High compressibility
- Good leakage properties
- Unlimited storage life
- Anti-stick finish on both sides
- Easy to cut

#### **Tests and Certifications**

- BAM Approval for use with oxygen 130 bar/200°C
- WRc Approval
- DIN DVGW NG-5124AT0417
- Firesafe according to BS 5146

#### **Availability**

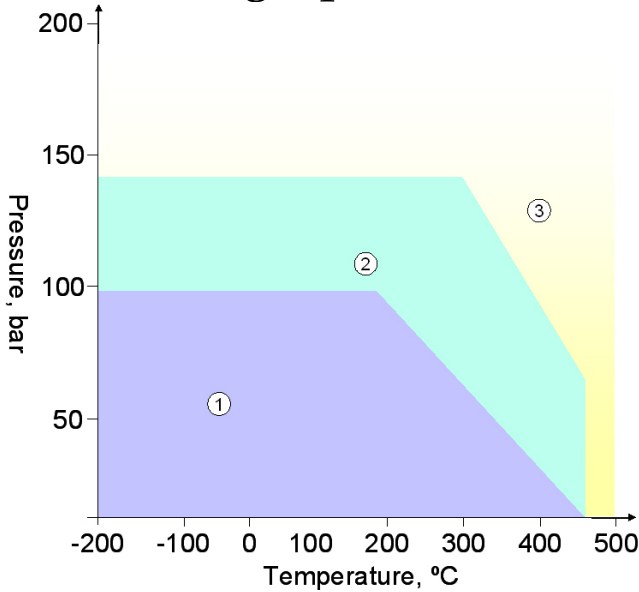
- Sheet (m): 1.0 x 1.0
- Thickness (mm): 0.45, 0.8, 1.0, 1.5, 2.0, 3.0

Also available in 99.85% pure nuclear grade





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## Application Guidelines

1. Usually satisfactory without reference.
2. Usually satisfactory, but suggest you refer to Klinger for advice
3. Caution: May be suitable but essential that you refer to Klinger for advice.

Chemical compatibility must be considered in all cases.

## Typical Specifications

Compressibility ASTM F 36 A		40%
Recovery ASTM F 36 A		15%
Stress relaxation DIN 52913	50MPa, 16h/300°C	min 48MPa
Klinger cold/hot compression (50MPa)	Thickness decrease 23°C decrease at 300°C	40% 1.5%
Gas leakage according to DIN 3535/6		<0.5ml/min
Chlorides (soluble)		<40ppm
Fluoride and Chloride Content		<200ppm
Density of Graphite		1.0g/cm <sup>3</sup>
Purity		min 98%

Typical values for 1.5mm thick material

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