



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

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

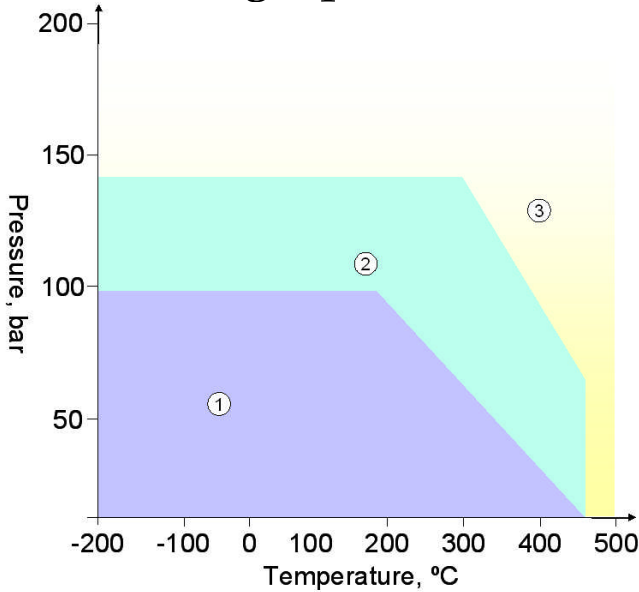
Also available in 99.85% pure nuclear grade



aerospace
sector
certification
scheme



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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 ³
Purity		min 98%

Typical values for 1.5mm thick material

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