

KLINGERgraphite SLN

Pure exfoliated graphite with a Nickel 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
- Improved handling due to 0.013mm Nickel insert
- 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

- WRc Approval
- DIN DVGW NG-5 I 24AT0417
- Firesafe according to BS EN ISO 10497

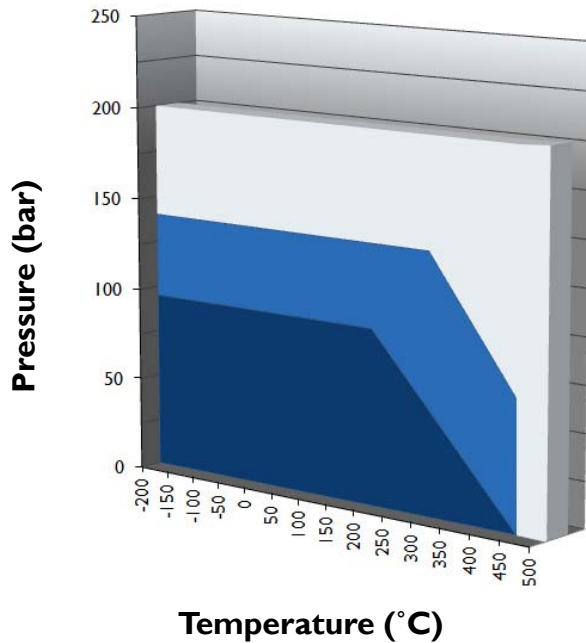
Availability

- 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*

Application Guidelines

Graphite SLN



■ Caution: May be suitable but essential that you refer to Klinger for advice

■ Usually Satisfactory, but suggest you refer to Klinger for advice

■ Usually Satisfactory to Use Without Reference

NOTE: Chemical compatibility must be considered in all cases.

Typical Specifications

(Typical values for 1.5mm thick material)

Properties	Values
Compressibility ASTM F 36 A	39-45%
Recovery ASTM F 36 A	9-15%
Stress relaxation DIN 52913	min 46MPa
Chlorides (soluble)	<40ppm
Adhesive	Leachable Chloride Free
Insert	Nickel, 0.013mm
Density of graphite	1.0g/cm ³
Purity	min 98%

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