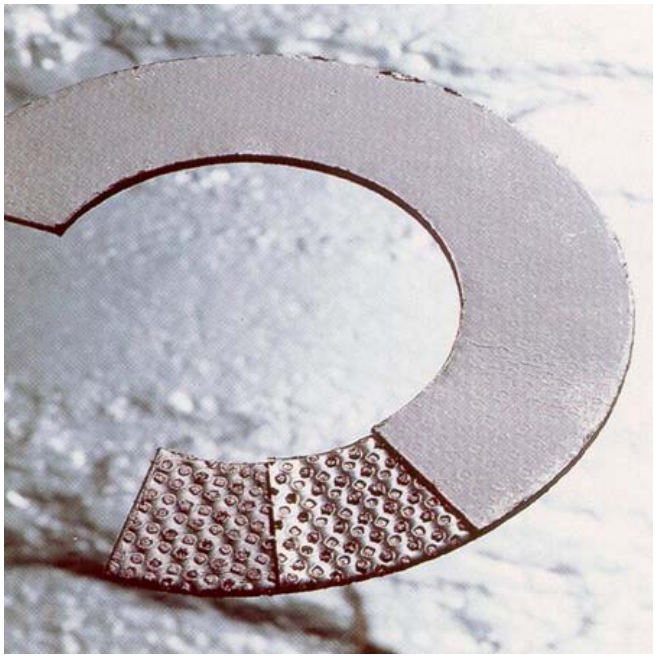
KLINGER GRAPHITE PSM/AS



Pure exfoliated graphite with a tanged stainless steel sheet reinforcement for improved blow-out resistance and ease of handling. Due to the excellent chemical and thermal capabilities of graphite it is used extensively throughout the petrochemical and chemical industries for process duties and steam applications.

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
- Max temp. 460°C (in oxidising atmospheres)
  3000°C (in non-oxidising atmospheres)
- High compressibility
- Good leakage properties
- Unlimited storage life
- Anti-stick finish on both sides

TESTS AND CERTIFICATIONS

- BAM Approval for use with oxygen 130 bar/200°C
- WRAS Approval
- DIN DVGW NG-5124AT0417
- Fire safe according to API 6FB

AVAILABILITY

- Sheeting (m): 1.0 x 1.0*, 1.5 x 1.5
- Thickness (mm): 0.8, 1.0, 1.5, 2.0, 3.0
- Stainless Steel Insert: 304, 316*, Hastelloy C276, Inconel 625

* - Denotes standard sheet size
Also available in 99.85% pure nuclear grade

Certified acc. to DIN EN ISO 9001:2015 Subject to technical alterations.
KLINGER Industrial Products India Pvt. Ltd. #6 Tarana, 1st Floor, GoodEarth Malhar, Kambipura, Kengeri, Bengaluru 560074, Karnataka, India. Tel +91 8618523021 / +91 80 2990 9572 / e-mail: info@klinger.in

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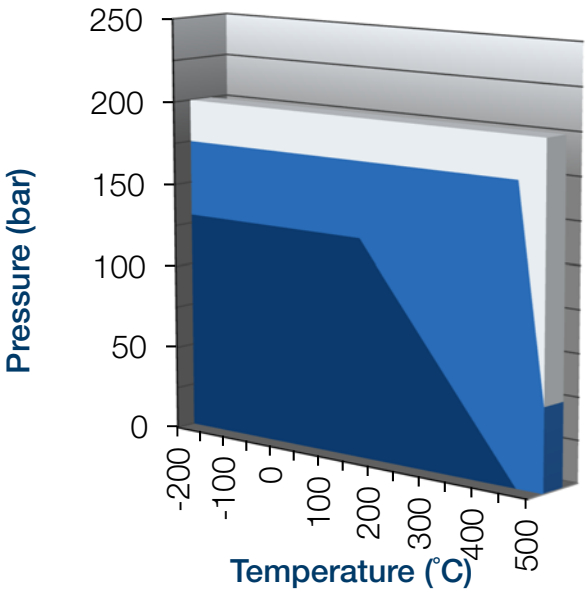

- Caution: May be suitable but essential that you refer to Klinger for advice
- Usually Satisfactory, but suggest you refer to Klinger for advice
- Usually Satisfactory to Use Without Reference

NOTE: Chemical compatibility must be considered in all cases.

TYPICAL SPECIFICATIONS

(Typical values based on 2.0mm thickness material)

PROPERTIES	TEST CONDITIONS	VALUES
Compressibility ASTM F 36 A		33-38%
Recovery ASTM F 36 A		13-18%
Stress relaxation DIN 52913	50MPa, 16h/300°C	min 48MPa
Stress relaxation BS 7531	40MPa, 16h/300°C	min 38MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	40%
	Thickness decrease at 300°C	1.50%
Gas leakage according to DIN 3535/6		0.8ml/min
Chlorides (soluble)		<40ppm
Fluoride and Chloride content		<200ppm
Density		1.0g/cm^3

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