



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

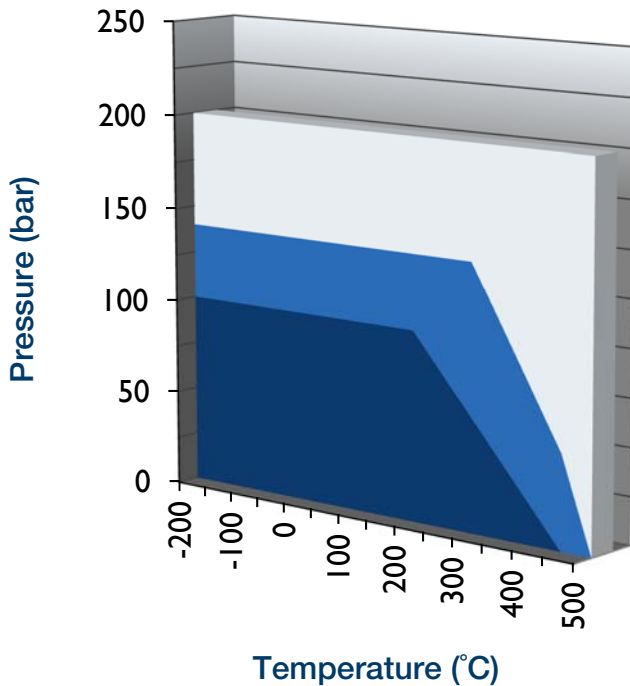
- » BAM Approval for use with oxygen 130 bar/200°C
- » DIN DVGW NG-5124AT0417
- » Fire safe according to BS EN ISO 10497

AVAILABILITY

- » Sheetting (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 LAMINATE SLS

- 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 2.0mm thick material)

PROPERTIES	CONDITIONS	VALUES
Compressibility ASTM F 36 J		40-50%
Recovery ASTM F 36 J		10-15%
Stress relaxation DIN 52913	50MPa, 16h/300°C	>45MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	45-50%
	Thickness decrease at 300°C	2-4%
Specific leakrate	DIN 28090-2	0.1mg/s.m
Chlorides (soluble)	DIN 28090-2	<40ppm
Density		1.0g/cm ³
Purity		min 99%

HEAD OFFICE

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FM 602916

FM 10571

OHS 570166

EMS 570165

KLINGER RUNCORN

Tel: 01928 577 030
Fax: 01928 575 233

KLINGER SOUTHAMPTON

Tel: 02380 611 855
Fax: 02380 610 360

KLINGER ABERDEEN

Tel: 01224 772 962
Fax: 01224 772 953

KLINGER IMMINGHAM

Tel: 01469 575 289
Fax: 08449 676 779

KLINGER MIDDLESBROUGH

Tel: 01642 220 289
Fax: 01642 220 290

KLINGER GRANGEMOUTH

Tel: 01324 472 231
Fax: 01324 482 111