



KLINGERtop-graph-2000

A combination of expanded graphite and synthetic fibres to give a revolutionary sealing material with outstanding flexibility and excellent stability in steam.

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

- Good resistance to steam
- Resistant to oils, fuels, hydrocarbons etc.
- Easy to handle and cut
- Good leakage properties
- 3xA anti-stick finish on both sides

Tests and Certifications

- Meets the technical requirements of BS 7531 Grade AX
- BAM Approval for use with oxygen 130 bar/200°
- KTW Approval C303/95/st
- DIN DVGW NG-5123AU0381

Availability

- Sheetting (m): 2.0 x 1.5*, 1.5 x 1.0
- Thickness (mm): 0.5, 0.75, 1.0, 1.5, 2.0, 3.0

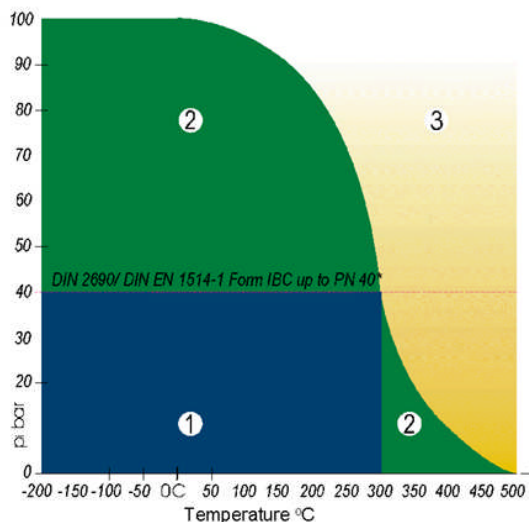
* - Denotes standard sheet size



aerospace
sector
certification
scheme

BS EN 9100:2003, ISO 9001:2008
Certificate no: FM 10571

KLINGER^{top}-graph-2000



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		10%
Recovery ASTM F 36 A		60%
Stress relaxation DIN 52913	50MPa, 16h/300°C	32MPa
Klinger cold/hot compression (50 MPa)	Thickness decrease 23°C	10%
	Thickness decrease at 300°C	10%
Gas leakage according to DIN 3535/6		<0.5ml/min
Chlorides (soluble)		<50 ppm
Thickness increase after fluid	Oil nr.3:5h/150°C	5%
Immersion ASTM F 146	Fuel B:5h/23°C	7%
	Water: 5h/110°C	5%
Density		1.75g/cm ³

Head Office

KLINGER Ltd
Wharfedale Road
Euroway Trading Estate
Bradford BD4 6SG

Tel: 01274 688 222
Fax: 01274 688 549

Klinger Ltd. Grangemouth
Tel: 01324 472 231
Fax: 01324 482 111

Klinger Ltd. Aberdeen
Tel: 01224 772 962
Fax: 01224 772 953

Klinger Ltd. Southampton
Tel: 023 8061 1855
Fax: 023 8061 0360

Klinger Ltd. Runcorn
Tel: 01928 577 030
Fax: 01928 575 223

Klinger Ltd. Middlesbrough
Tel: 01642 220 289
Fax: 01642 220 290

All information and recommendations contained in this specification sheet are to the best of our knowledge correct. Since conditions of use are beyond our control, users must satisfy themselves that the products are suitable for the intended processes and uses. No warranty is given or implied in respect of information or recommendations or that any use of products will not infringe rights belonging to other parties. In any event or occurrence our liability is limited to our invoice value of the goods delivered by us to you. We reserve the right to change product design and properties without notice