



# 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

- BAM Approval for use with oxygen 130 bar/200<sup>o</sup>C
- KTW Approval C303/95/st
- DIN DVGW NG-5123AU0381

#### Availability

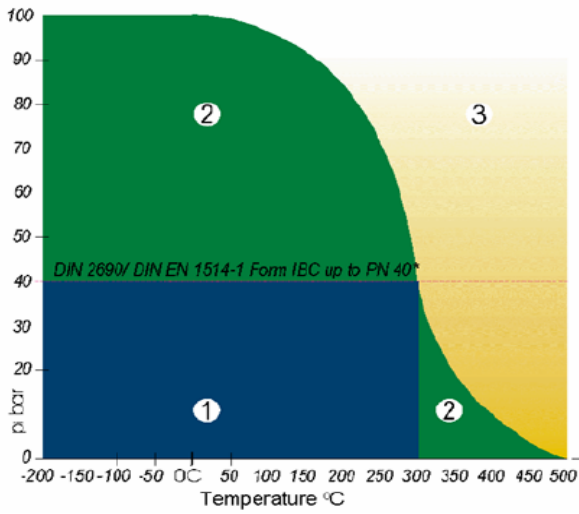
- Sheetting (m): 2.0 x 1.5\*, 1.5 x 1.0
- Thickness (mm): 0.5, 0.75, 1.0, 1.5, 2.0, 3.0

\* - Denotes standard sheet size





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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		10%
Recovery ASTM F 36 A		60%
Stress relaxation DIN 52913	50MPa, 16h/300 <sup>0</sup> C	32MPa
Klinger cold/hot compression (50 MPa)	Thickness decrease 23 <sup>0</sup> C	10%
	decrease at 300 <sup>0</sup> C	10%
Gas leakage according to DIN 3535/6		<0.5ml/min
Chlorides (soluble)		0 ppm
Thickness increase after fluid Immersion ASTM F 146	Oil nr.3:5h/150 <sup>0</sup> C	5%
	Fuel B:5h/23 <sup>0</sup> C	7%
	Water: 5h/110 <sup>0</sup> C	5%
Density		1.75g/cm <sup>3</sup>

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