



# KLINGERtop-chem-2005

**Modified PTFE material with excellent chemical resistance and good mechanical properties. Suitable for a wide range of applications with the exception of strong alkaline conditions**

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

- Economical alternative to KLINGERtop-chem-2000
- Ideal for strongly acidic environments
- Good mechanical properties at low to medium temperatures

#### Tests and Certifications

- DIN DVGW NG – 5125AT0419
- KTW Approval C315-A/00/st
- FDA Conformity

#### Availability

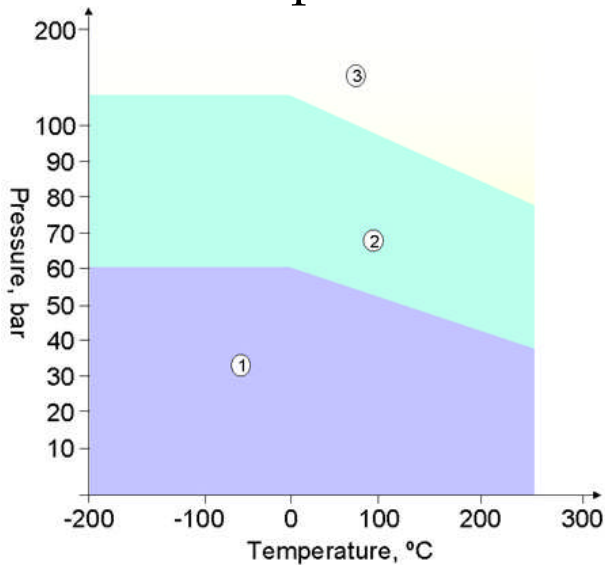
- Sheetting (m): 1.5 x 1.5
- Thickness (mm): 1.5, 2.0, 3.0

\* Can be welded to form gaskets larger than sheet size



aerospace  
sector  
certification  
scheme

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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		7%
Recovery ASTM F 36 A		35%
Stress relaxation DIN 52913	30MPa, 16h/150°C	25MPa
Klinger cold/hot compression (50 MPa)	Thickness decrease 23°C	10%
	decrease at 250°C	30%
Gas leakage according to DIN 3535/6		0.2ml/min
Gas leakage according to DIN 28090-2		0.02 mg/s.m
Thickness increase after fluid Immersion ASTM F 146	H <sub>2</sub> SO <sub>4</sub> 100%:18h/23°C	2%
	HNO <sub>3</sub> 100%, 18h/23°C	7%
Density		2.0g/cm <sup>3</sup>

**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

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