



# 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**

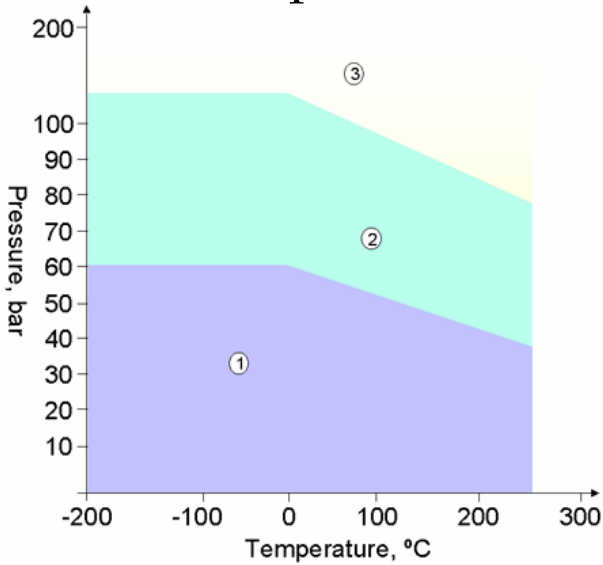
- Sheeting (m): 1.4 x 1.4
- Thickness (mm): 1.5, 2.0, 3.0

\* Can be welded to form gaskets larger than 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		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	H <sub>2</sub> SO <sub>4</sub> 100%:18h/23°C	2%
Immersion ASTM F 146	HNO <sub>3</sub> 100%, 18h/23°C	7%
Density		2.0g/cm <sup>3</sup>

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