



# KLINGERtop-chem-2006

**Modified PTFE material with excellent chemical resistance and good mechanical properties. Suitable for a wide range of applications in the chemical, pharmaceutical and food industries including 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 alkaline environments
- Good mechanical properties at low to medium temperatures
- Ideal for food and pharmaceutical applications

#### Tests and Certifications

- DIN DVGW NG – 5125AT0419
- KTW Approval C315-A/00/st
- BAM Approval for use with oxygen 130 BAR / 200°C
- FDA Conformity

#### Availability

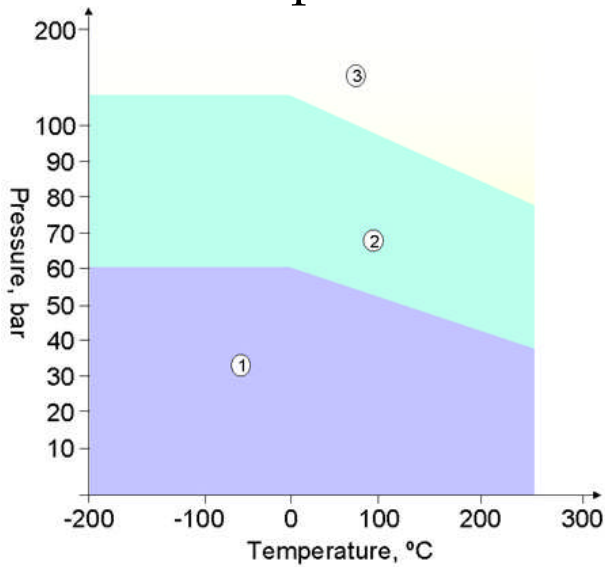
- Sheeting (m): 1.4 x 1.4 \*
- Thickness (mm): 1.5, 2.0, 3.0

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



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		4%
Recovery ASTM F 36 A		40%
Stress relaxation DIN 52913	30MPa, 16h/150°C	18MPa
Klinger cold/hot compression (50MPa)	Thickness decrease 23°C	10%
	decrease at 250°C	40%
Gas leakage according to DIN 3535/6		0.1ml/min
Gas leakage according to DIN 28090-2		0.1 mg / s.m
Thickness increase after fluid Immersion ASTM F 146	HNO <sub>3</sub> 100%:18h/23°C	2%
	NaOH 33%, 72h/110°C	12%
Density		2.9g/cm <sup>3</sup>

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