

# KLINGERtop-chem-2000

**Premium grade, heavy-duty PTFE gasket suitable for a wide range of applications within the chemical and petrochemical industries. The only PTFE based gasket material on the market to hold fire safe approval.**

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

- Excellent sealing at high temperatures and pressures
- Ideal for aggressive chemicals
- Easy to handle and cut
- Firesafe
- Creep Resistant

#### Tests and Certifications

- Firesafe API 6FA
- BAM Approval for use with oxygen 100 bar / 200°C
- KTW Approval C661/95/se
- DIN DVGW G96e022
- FDA Conformity
- TA Luft 97 06 9502 01
- Germanischer Lloyd 98 949 – 97 HH a)
- United States Coast Guard 16703 / 46-153
- Italiano Navale MAC/051882/GMI
- Veritas AS J.nr.:141-9703538

#### Availability

- **Sheeting (m):** 1.5 x 1.5\*
- **Thickness (mm):** 1.0, 1.5, 2.0, 3.0

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

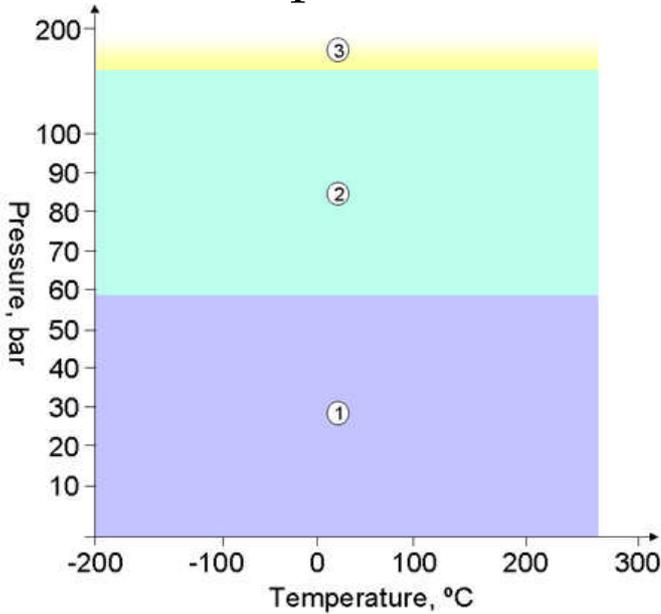


aerospace  
sector  
certification  
scheme

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



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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		2%
Recovery ASTM F 36 A		55%
Stress relaxation DIN 52913	50MPa, 16h/300°C 30MPa, 16h/150°C	35MPa 30MPa
Klinger cold/hot compression (50 MPa)	Thickness decrease 23°C decrease at 300°C	2% 5%
Gas leakage according to DIN 3535/6		<0.5ml/min
Thickness increase after fluid Immersion ASTM F 146	H2SO4 100%:18h/23°C HNO3 100%, 18h/23°C NaOH 33%, 72h/110°C	0.5-1% 1-2% 5%
Density		2.5g/cm <sup>3</sup>

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