

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

- Sheetting (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

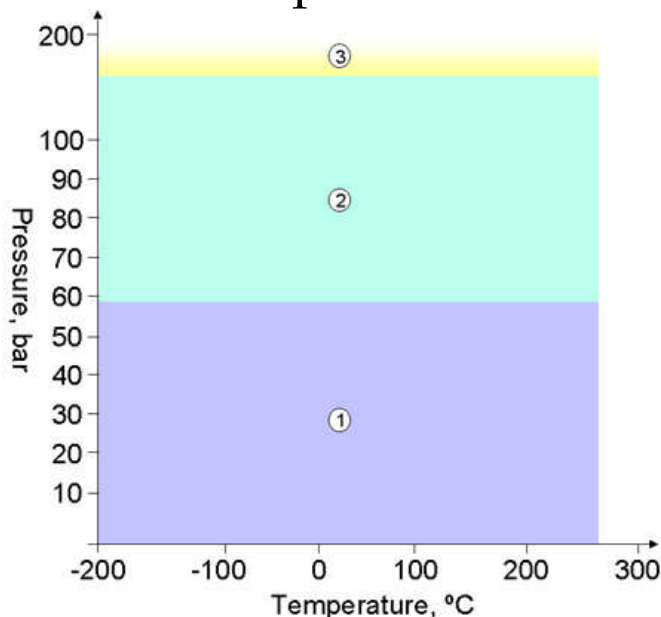


aerospace
sector
certification
scheme

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	H ₂ SO ₄ 100%:18h/23°C HNO ₃ 100%, 18h/23°C NaOH 33%, 72h/110°C	0.5-1% 1-2% 5%
Density		2.5g/cm ³

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