

KLINGERtop-chem-2003

Highly compressible, modified PTFE material with outstanding chemical resistance. Ideal for applications where bolt load is limited or where flanges are delicate e.g. glass-lined equipment.

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 in high temperatures and pressures
- Ideal for aggressive chemicals
- Excellent gas tightness properties
- Suitable for glass-lined and enamel flanges

Tests and Certifications

- KTW Approval C829/97/St
- DIN DVGW
- FDA Conformity
- TA Luft 97 06 9502 02
- Germanischer Lloyd 98 950 – 97 HH

Availability

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

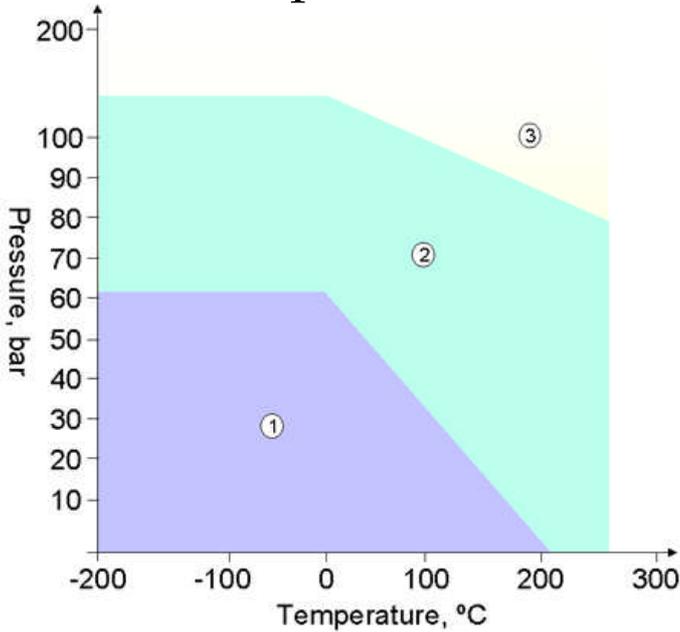
* Also available in Off-White both sides

* 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		18%
Recovery ASTM F 36 A		40%
Stress relaxation DIN 52913	16h/150°C	13MPa
Klinger cold/hot compression (25MPa)	Thickness decrease 23°C	9%
	decrease at 250°C	38%
Gas leakage according to DIN 3535/6		0.1ml/min
Thickness increase after fluid Immersion ASTM F 146	H ₂ SO ₄ 100%: 18h/23°C	1%
	HNO ₃ 100%, 18h/23°C	5%
	NaOH 33%, 72h/110°C	2%
Density		1.7g/cm ³

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