



KLINGER TOP- 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
- » KTW-Guideline
- » FDA Conformity
- » DNV-GL
- » TA-Luft (Clean air)
- » Regulation (EU) No. 1935/2004 (incl. 10/2011)

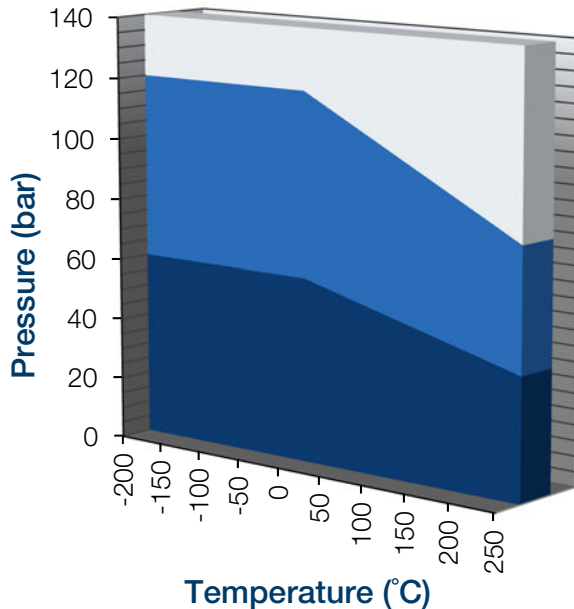
AVAILABILITY

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

* Can be welded to form gaskets larger than sheet size

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APPLICATION GUIDELINES



■ Caution: May be suitable but essential that you refer to Klinger for advice

■ Usually Satisfactory, but suggest you refer to Klinger for advice

■ Usually Satisfactory to Use Without Reference

NOTE: Chemical compatibility must be considered in all cases.

TYPICAL SPECIFICATIONS

(Typical values for 2.0mm thick material)

PROPERTIES	CONDITIONS	VALUES
Compressibility ASTM F 36 J		7%
Recovery ASTM F 36 J		35%
Stress relaxation DIN 52913	30MPa, 16h/150°C	25MPa
Klinger cold/hot compression (50MPa)	Thickness decrease at 23°	10%
	Thickness decrease at 250°C	30%
Gas leakage according to DIN 28090-2		0.02 mg/s.m
Thickness increase after fluid	H ₂ SO ₄ 100%:18h/23°C	2%
Immersion ASTM F 146	HNO ₃ 100%, 18h/23°C	7%
Density		2.0g/cm ³

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KLINGER ABERDEEN

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KLINGER MIDDLESBROUGH

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KLINGER GRANGEMOUTH

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