



## KLINGER TOP- 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 KLINGER Top-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
- » DNV GL
- » TA-Luft (Clean air)
- » BAM Approval for use with oxygen 130 BAR / 200°C
- » FDA Conformity

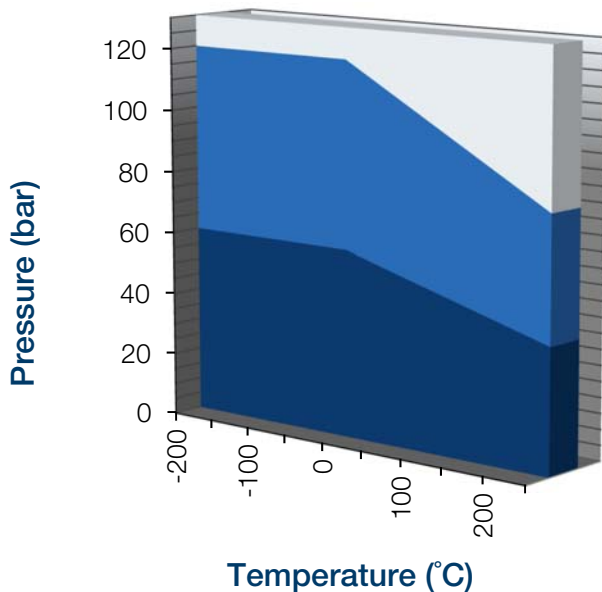
### AVAILABILITY

- » 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

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

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FM 602916

FM 10571

OHS 570166

EMS 570165