

# KLINGERsoft-chem

**100% expanded PTFE manufactured to produce a soft, highly compressible gasket material with excellent chemical resistance and good creep properties**

*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 chemical resistance
- High compressibility
- Good creep resistance
- Suitable for glass-lined and enamel flanges
- Seals worn or damaged flanges
- Low bolt load requirement
- Easy to handle and cut
- Suitable for food and pharmaceutical applications

#### **Tests and Certifications**

- FDA Conformity

#### **Availability**

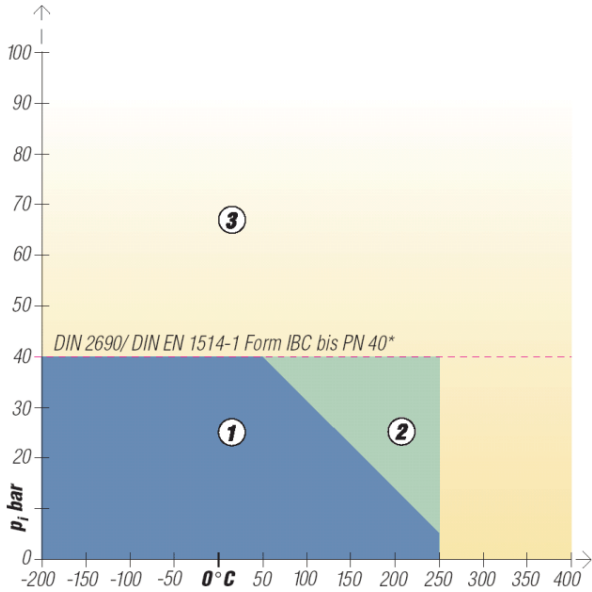
- Sheeting (m): 1.5 x 1.5
- Thickness (mm): 1.0, 1.5, 2.0, 3.0



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		60%
Recovery ASTM F 36 A		12%
Stress relaxation DIN 52913	30MPa, 16h/150 <sup>0</sup> C	18MPa
Klinger cold/hot compression (25MPa)	Thickness decrease 23 <sup>0</sup> C	10%
	decrease at 300 <sup>0</sup> C	40%
Gas leakage according to DIN 3535/6		0.02ml/min
Thickness increase after fluid	HNO <sub>3</sub> 100%:18h/23 <sup>0</sup> C	2-7%
		12-24%
Immersion ASTM F 146	NaOH 33%, 72h/110 <sup>0</sup> C	
Density		0.85g/cm <sup>3</sup>

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