



# KLINGER'sil C-8200

**Specialist grade based on a unique blend of fibres with an acid resisting binder. Specifically designed for aggressive chemical environments.**

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

- Resistant to most mineral acids
- Resistant to alkalis, ketones, aldehydes
- Resistant to many refrigerants
- Resistant to oils, fuels, hydrocarbons etc.
- 3xA anti-stick finish on both sides

#### Typical Applications

- Sulphuric Acid
- Ethylene Chloride
- Hydrochloric Acid
- Caustic duties
- Hydrocarbons
- Refrigerants

#### Availability

Sheeting (m): 2.0 x 1.5\*, 1.5 x 1.0  
 Thickness (mm): 0.5, 0.75, 1.0, 1.5, 2.0, 3.0

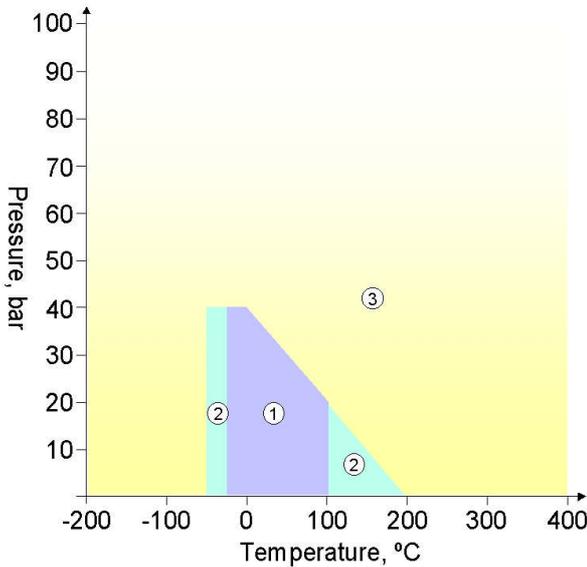
\* - Denotes standard sheet size



aerospace  
sector  
certification  
scheme



# KLINGERsil C-8200



## 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		9%
Recovery ASTM F 36 A		55%
Klinger cold/hot compression (50MPa)	Thickness decrease 23 <sup>o</sup> C	7%
	decrease at 300 <sup>o</sup> C	17%
Gas leakage according to DIN 3535/6		<1.0ml/min
Chlorides (soluble)		150ppm
Thickness increase after fluid	H <sub>2</sub> SO <sub>4</sub> , 96% :18h/23 <sup>o</sup> C	10%
Immersion ASTM F 146	HNO <sub>3</sub> , 96% :18h/23 <sup>o</sup> C	unsuitable
	H <sub>2</sub> SO <sub>4</sub> , 65% :48h/23 <sup>o</sup> C	8%
Density		1.7g/cm <sup>3</sup>
Average surface resistance	R <sub>OA</sub> (xE9)	8.3 Ω
Average specific volume resistance	ρ <sub>D</sub> (xE10)	1.2 Ω cm
Average power factor		17.5 kV/mm
Average dielectric strength	1kHz,ca. 3mm thick	0.27 tan δ
Average dielectric constant	1kHz,ca.3mm thick	8.4 εr

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