



KLINGERsil 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

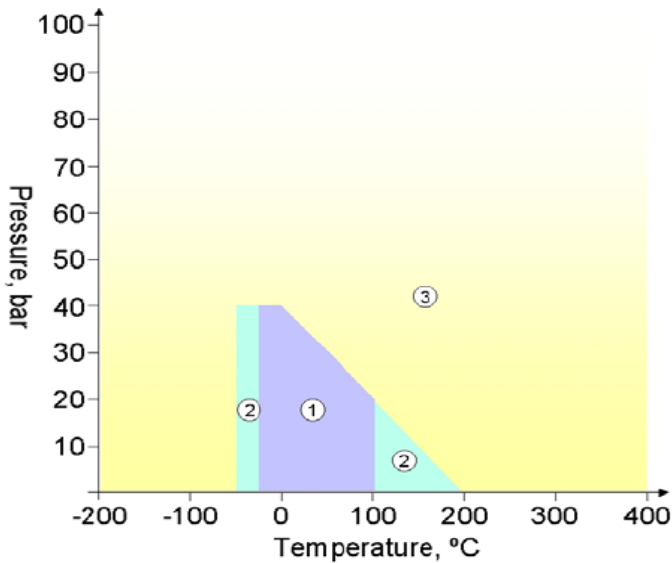
Sheeting (m): 2.0 x 1.5*, 1.5 x 1.0
 Thickness (mm): 0.5, 0.75, 1.0, 1.5, 2.0, 3.0

* - Denotes standard sheet size





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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 | | 9% |
| Recovery ASTM F 36 A | | 55% |
| Klinger cold/hot compression (50MPa) | Thickness decrease 23 ⁰ C | 7% |
| | decrease at 300 ⁰ C | 17% |
| Gas leakage according to DIN 3535/6 Chlorides (soluble) | | <1.0ml/min 150ppm |
| Thickness increase after fluid Immersion ASTM F 146 | H ₂ SO ₄ , 96% :18h/23 ⁰ C | 10% |
| | HNO ₃ , 96% :18h/23 ⁰ C | unsuitable |
| | H ₂ SO ₄ , 65% :48h/23 ⁰ C | 8% |
| Density | | 1.7g/cm ³ |
| Average surface resistance | R _{OA} (xE9) | 8.3 Ω |
| Average specific volume resistance | ρ _D (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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