



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

TESTS AND CERTIFICATIONS

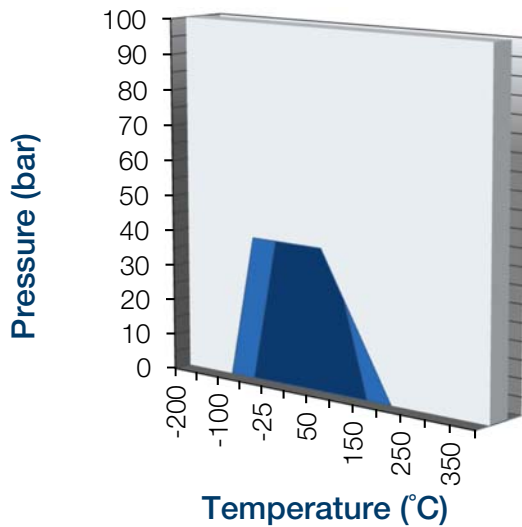
- » DNV GL
- » TA-Luft (Clean air)

AVAILABILITY

- » Sheetting (m): 2.0 x 1.5
- » Thickness (mm): 0.5, 0.75, 1.0, 1.5, 2.0, 3.0

APPLICATION GUIDELINES

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- 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		9 %
Recovery ASTM F 36 J		55 %
Klinger cold/hot compression (50MPa)	Thickness decrease 23°C	7 %
	decrease at 300°C	15 %
Specific leakrate	VDI 2440	9.17E-09 mbar.l/s.m
Thickness increase after fluid immersion ASTM F 146	H ₂ SO ₄ , 96% :18h/23°C	15 %
	HNO ₃ , 96% :18h/23°C	Unsuitable
	H ₂ SO ₄ , 65% :48h/23°C	8 %
Density		1.7g/cm ³
Average surface resistance	P _o	5.8 x10 ¹¹ Ω
Average specific volume resistance	P _D	4.1 x10 ¹² 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 ε _r

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KLINGER IMMINGHAM

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FM 602916

FM 10571

OHS 570166

EMS 570165