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

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

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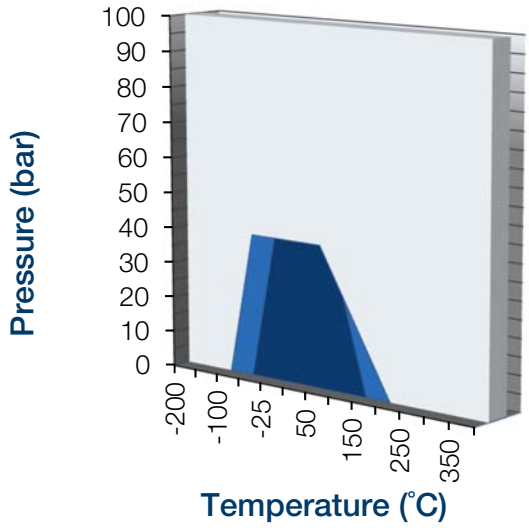
APPLICATION GUIDELINES



- 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		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_2SO_4, 96% :18h/23˚C	15 %
	HNO_3, 96% :18h/23˚C	Unsuitable
	H_2SO_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 εr

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bsi. FM 602916 | AS/EN 9100 Series Aviation, Space and Defense | ISO 9001 Quality Management FM 10571 | OHSAS 18001 Occupational Health & Safety Management OHS 570166 | ISO 14001 Environmental Management EMS 570165

KLINGER RUNCORN
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Fax: 01928 575 233

KLINGER SOUTHAMPTON
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Fax: 02380 610 360

KLINGER ABERDEEN
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Fax: 01224 772 953

KLINGER IMMINGHAM
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Fax: 08449 676 779

KLINGER MIDDLESBROUGH
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