KLINGERSIL® C-8200

KLINGERSIL® C-8200 is a premium high- pressure gasket which offers more safety for the use with high concentrated acids.

Glass fibres bonded with special acid resistant elastomers. This material is resistant to a wide variety of media and especially to acids.

Key features:

» Special acid-resistant elastomer as binder
» Flame retardant binder

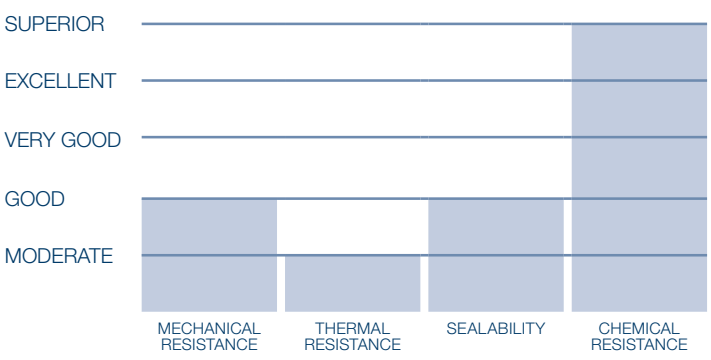
Benefits:

» Resistant to a variety of media especially acids
» Improved ozone resistance

Certificates and approvals:

» German Lloyd
» TA-Luft (Clean air)

Properties: referring to KLINGERSIL® product range



Industries:

Typical technical data for thickness 2.0 mm:

Compressibility ASTM F 36 J		%	9
Recovery ASTM F 36 J		%	55
KLINGER cold/hot compression	thickness decrease at 23°C	%	7
25 MPa	thickness decrease at 200°C	%	15
Specific leakrate λ	VDI 2440	mbar x l/s x m	9.17E-09
Density		g/cm³	1.7
Acid tests			
Thickness increase after fluid	HNO_3, 96%, 18 h/23°C	%	unsuitable
immersion ASTM F 146	H_2SO_4, 96%, 18 h/23°C	%	15
	H_2SO_4, 65%, 48 h/23°C	%	8
	oil IRM 903: 5 h/150°C	%	5
	fuel B: 5 h/23°C	%	10
Average surface resistance	ρO	Ω	5.8x10E11
Average specific volume resistance	ρD	Ω cm	4.1x10E12
Average dielectric strength	E_d	kV/mm	17.0
Average power factor	50 Hz	tan δ	0.228
Average dielectric coefficient	50 Hz	εr	9.4
ASME-Code sealing factors			
for gasket thickness 1.0 mm	tightness class 0.1 mg/s x m	MPa	y 20 m 2.1
for gasket thickness 2.0 mm	tightness class 0.1 mg/s x m	MPa	y 20 m 3.0
for gasket thickness 3.0 mm	tightness class 0.1 mg/s x m	MPa	y 20 m 6.2

Dimensions of the standard sheets:

Sizes:

1000 x 1500 mm, 2000 x 1500 mm

Thicknesses:

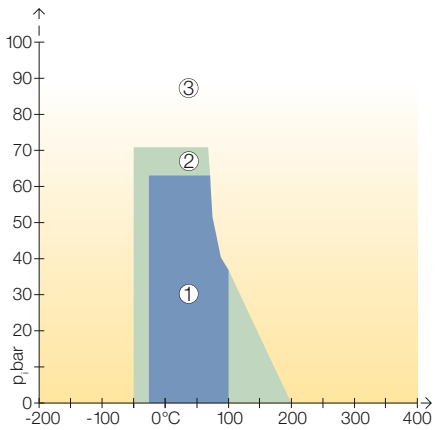
0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm

Tolerances:

Thickness acc. DIN 28091-1
Length ± 50 mm, width ± 50 mm

Other thicknesses, sizes and tolerances on request.

pT diagram for thickness 2.0 mm:



① In area one, the gasket material is normally suitable subject to chemical compatibility.

② In area two, the gasket material may be suitable but a technical evaluation is recommended.

③ In area three, do not install the gasket without a technical evaluation.

Always refer to the chemical resistance of the gasket to the media.

Certified acc. to DIN EN ISO 9001:2008 Subject to technical alterations. Status: March 2016

Rich. Klinger Dichtungstechnik GmbH & Co KG » Am Kanal 8-10 » A-2352 Gumpoldskirchen, Austria
Tel +43 (0) 2252/62599-137 » Fax +43 (0) 2252/62599-296 » e-mail: marketing@klinger.co.at
www.klinger.co.at