

KLINGERSIL® C-8200

Technical values

Premium high pressure gasket for the use with acids.
Resistant to a wide variety of media.

■ Basis

Glass fibres bonded with special acid resistant elastomers.

■ Dimensions

of the standard sheets

Sizes:

1,000 x 1,500 mm,

2,000 x 1,500 mm.

Thicknesses:

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

Tolerances:

Thickness acc. DIN 28091-1,

length \pm 50 mm, width \pm 50 mm.

Other thicknesses, sizes and tolerances on request.

■ Surfaces

KLINGERSIL® gasket materials are generally furnished with surfaces of low adhesion.

On request, graphite facings and other surface finishes on one or both sides are also available.

■ Function and durability

The performance and service life of KLINGER gaskets depend in large measure on proper storage and fitting, factors beyond the manufacturer's control. We can, however, vouch for the excellent quality of our products.

With this in mind, please also observe our installation instructions.

Typical values 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/cm ³	1.7
Acid tests			
Thickness increase after fluid immersion ASTM F 146	HNO ₃ , 96%, 18 h/23°C	%	unsuitable
	H ₂ SO ₄ , 96%, 18 h/23°C	%	15
	H ₂ SO 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	ρ_O	Ω	5.8x10E11
Average specific volume resistance	ρ_D	Ω cm	4.1x10E12
Average dielectric strength	E_d	kV/mm	17.0
Average power factor	Average 50 Hz	tan δ	0.228
dielectric coefficient ASME-	50 Hz	ϵ_r	9.4
Code sealing factors Leakage DIN 28090			
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

■ Tests and approvals

German Lloyd

TA-Luft (Clean air)

Certified according to
DIN EN ISO 9001:2008

Subject to technical alterations.
Status: June 2017