KLINGERSIL® C-4300

KLINGERSIL® C-4300 is a universal high-pressure gasket and offers more safety for a wide range of suitable applications.

Aramid fibres bonded with NBR.
Resistant to hot water, steam, oils, hydrocarbons and many other chemicals.

Key features:

» General purpose gasket material
» Dimensionally stable
» Consistent material composition

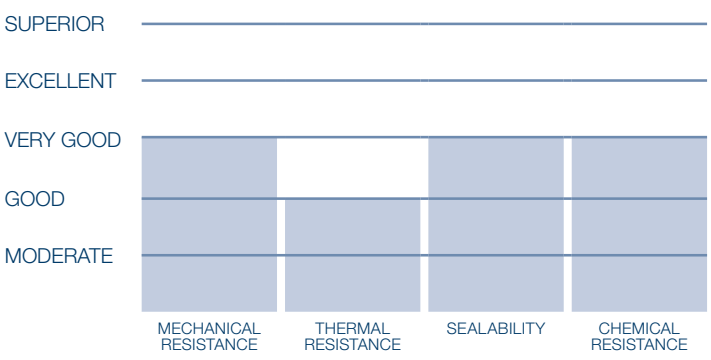
Benefits:

» Excellent price/performance ratio
» Suitable for many different media

Certificates and approvals:

» DIN-DVGW
» DIN-DVGW W 270
» Elastomer-Guideline
» German Lloyd
» SVGW approval

Properties: referring to KLINGERSIL® product range



Industries:

Typical technical data for thickness 2.0 mm:

Compressibility ASTM F 36 J		%	14
Recovery ASTM F 36 J		%	50
Stress relaxation DIN 52913	50 MPa,16 h/175°C	MPa	32
	50 MPa,16 h/300°C	MPa	20
Stress relaxation BS 7531	40 MPa, 16 h/300°C	MPa	23
KLINGER cold/hot compression	thickness decrease at 23°C	%	10
50 MPa	thickness decrease at 300°C	%	22
Tightness	DIN 28090-2	mg/s x m	0.03
Thickness increase after fluid	oil IRM 903: 5 h/150°C	%	5
immersion ASTM F 146	fuel B: 5 h/23°C	%	10
Density		g/cm³	1.6
Average surface resistance	ρO	Ω	2.2x10E12
Average specific volume resistance	ρD	Ω cm	1.2x10E12
Average dielectric strength	E_d	kV/mm	10
Average power factor	50 Hz	tan δ	0.082
Average dielectric coefficient	50 Hz	εr	7.4
Thermal conductivity	λ	W/mK	0.39
Classification acc. to BS 7531:2006	Grade Y		
ASME-Code sealing factors			
for gasket thickness 1.0 mm	tightness class 0.1 mg/s x m	MPa	y 15 m 1.3
for gasket thickness 2.0 mm	tightness class 0.1 mg/s x m	MPa	y 15 m 3.0
for gasket thickness 3.0 mm	tightness class 0.1 mg/s x m	MPa	y 15 m 4.0

Dimensions of the standard sheets:

Sizes:

1000 x 1500 mm, 2000 x 1500 mm

Thicknesses:

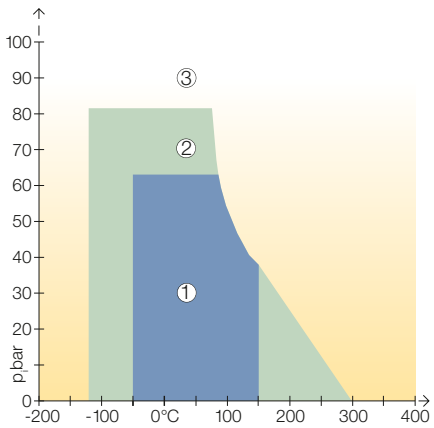
0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm

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

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