

KLINGERSIL® C-4324

KLINGERSIL® C-4324 is a universal high-pressure gasket, suitable for a wide range of applications.

Combination of synthetic high performance fibres, bonded with NBR.

This gasket material is suitable for the use in liquids and steam at lower pressure and temperature. Resistant to water, oils, hydrocarbons and many other chemicals.



Key features:

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

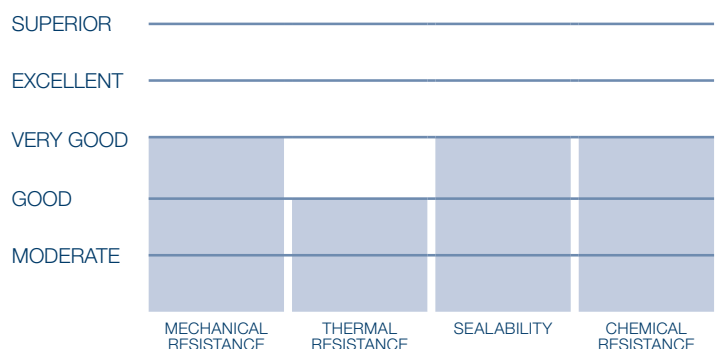
Benefits:

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

Certificates and approvals:

- » DIN-DVGW
- » Elastomer-Guideline
- » WRAS approval
- » German Lloyd
- » SVGW approval

Properties: referring to KLINGERSIL® product range



Industries:



Typical technical data for thickness 2.0 mm:

Compressibility ASTM F 36 J		%	10
Recovery ASTM F 36 J		%	55
Stress relaxation DIN 52913	50 MPa, 16 h/175°C	MPa	31
	50 MPa, 16 h/300°C	MPa	20
Stress relaxation BS 7531	40 MPa, 16 h/300°C	MPa	23
KLINGER cold/hot compression 50 MPa	thickness decrease at 23°C	%	10
	thickness decrease at 300°C	%	25
Tightness	DIN 28090-2	mg/s x m	0.03
Thickness increase after fluid immersion ASTM F 146	oil IRM 903: 5 h/150°C fuel B: 5 h/23°C	%	5 10
Density		g/cm ³	1.85
Average surface resistance	ρO	Ω	1.04x10E13
Average specific volume resistance	ρD	Ω cm	4.3x10E11
Average dielectric strength	E_d	kV/mm	12
Average power factor	50 Hz	$\tan \delta$	0.109
Average dielectric coefficient	50 Hz	ϵ_r	9
Thermal conductivity	λ	W/mK	0.50
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 2.2
for gasket thickness 2.0 mm	tightness class 0.1 mg/s x m	MPa	y 15 m 2.6
for gasket thickness 3.0 mm	tightness class 0.1 mg/s x m	MPa	y 15 m 4.1

Dimensions of the standard sheets:

Sizes:

1000 x 1500 mm, 2000 x 1500 mm

Thicknesses:

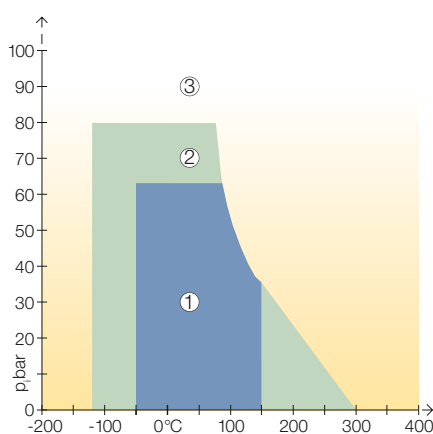
0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm

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.

