

KLINGERSIL® C-6327

Swelling in oil and fuels KLINGERSIL® C-6327 offers an excellent conformity with flanges at low surface loads.

Aramid fibres and inorganic fibres bonded with SBR.
Fields of application: Body gaskets for liquids and steam at lower pressures and temperatures and low bolt loads, e.g. transformer gaskets.



Key features:

- » Use of SBR rubber as binder
- » High compressibility

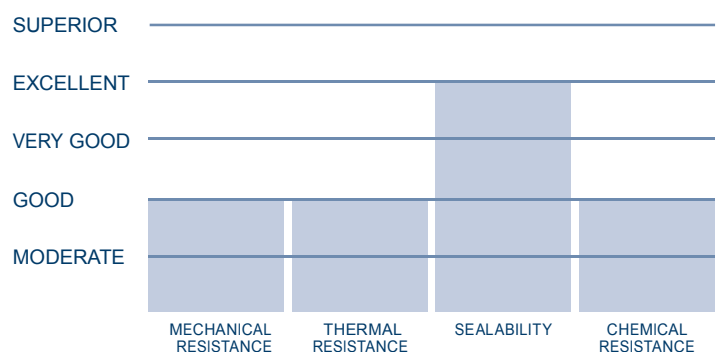
Benefits:

- » Controlled swelling in oils and fuels
- » Provides very good adaptability to any sealing surface
- » Conforms easily
- » Excellent sealing at low stress
- » Improved radiation resistance

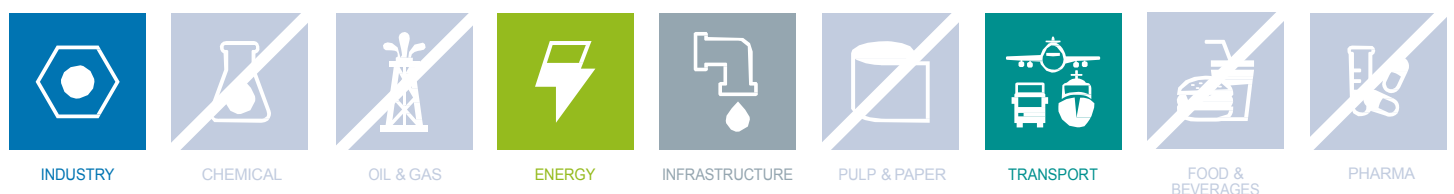
Certificates and approvals:

- » German Lloyd, AS4020 Potable Water

Properties: referring to KLINGERSIL® product range



Industries:



Typical technical data for thickness 2.0 mm:

Compressibility ASTM F 36 J		%	25
Recovery ASTM F 36 J		%	45
Stress relaxation DIN 52913	50 MPa, 16 h/175°C	MPa	25
KLINGER cold/hot compression	thickness decrease at 23°C	%	20
50 MPa	thickness decrease at 300°C	%	32
Tightness	DIN 28090-2	mg/s x m	0.02
Thickness increase after fluid immersion ASTM F 146	oil IRM 903: 5 h/150°C	%	45
	fuel B: 5 h/23°C	%	30
Density		g/cm ³	1.7
Average surface resistance	ρO	Ω	4.5x10E14
Average specific volume resistance	ρD	Ω cm	6.8x10E13
Average dielectric strength	E_d	kV/mm	13
Average power factor	50 Hz	$\tan \delta$	0.049
Average dielectric coefficient	50 Hz	ϵr	5.8

Dimensions of the standard sheets:

Sizes:

1000 x 1500 mm, 2000 x 1500 mm

Thicknesses:

0.5 mm, 1.0 mm, 1.5 mm

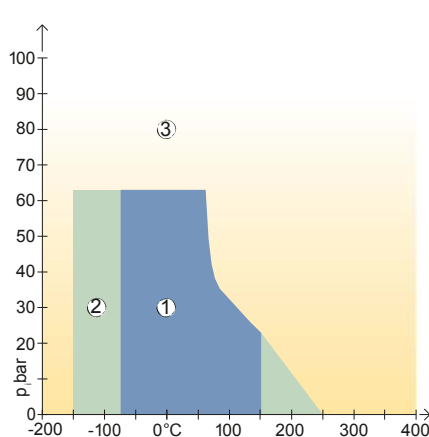
Tolerances:

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: June 2017