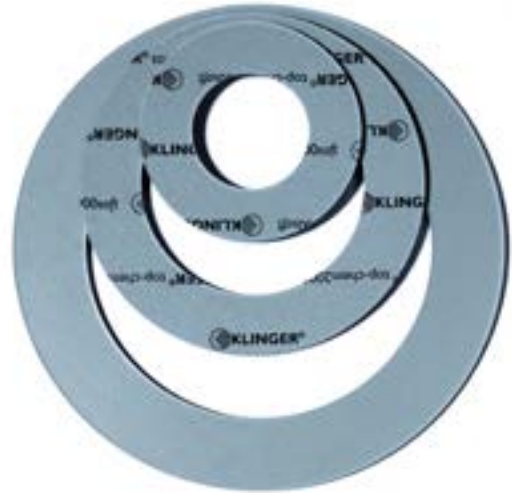


KLINGER®top-chem 2000soft

KLINGER®top-chem 2000soft combines the best load bearing capacity with excellent compressibility. It consists of a unique matrix which creates a universal heavy duty gasket.

Porous PTFE filled with silicon carbide. Superior chemical resistance in strongly acidic and alkaline applications. It shows exceptional performance in applications with high mechanical requirements at high temperatures. KLINGER®top-chem 2000soft has a high conformability and is ideal for maintaining a tight seal even at low surface loads.



Key features:

- » Resistant to creep and cold flow
- » High compressibility
- » Mechanically stable
- » Consistent material composition

Benefits:

- » Resists high surface pressure also at elevated temperatures
- » Provides excellent adaptability to any sealing surface
- » High retention of the bolt load
- » Superior chemical resistance
- » No ageing of the material

Certificates and approvals:

- » TA-Luft (Clean air): in progress
- » FDA conformity: in progress
- » Regulation (EU) No. 1935/2004 (incl. 10/2011): in progress

Properties: referring to KLINGER®top-chem product range

SUPERIOR				
EXCELLENT				
VERY GOOD				
GOOD				
MODERATE				
	MECHANICAL RESISTANCE	THERMAL RESISTANCE	SEALABILITY	CHEMICAL RESISTANCE

Industries:



INDUSTRY

CHEMICAL

OIL & GAS

ENERGY

INFRASTRUCTURE

PULP & PAPER

TRANSPORT

FOOD & BEVERAGES

PHARMA

Typical technical data for thickness 2.0 mm:

Compressibility ASTM F 36 M		%	15
Recovery ASTM F 36 M		%	20
Stress relaxation DIN 52913	50 MPa, 16 h/260°C	MPa	30
	30 MPa, 16 h/150°C	MPa	25
KLINGER cold/hot compression 50 MPa	thickness decrease at 23°C	%	17
	thickness decrease at 260°C	%	20
Tightness	DIN 28090-2	mg/s x m	0.05
Thickness/weight increase	H ₂ SO ₄ , 100%: 18 h/23°C	%	1/1
	HNO ₃ , 100%: 18 h/23°C	%	1/2
	NaOH, 33%: 72 h/110°C	%	2/3
	H ₂ O: 5 h/100°C	%	1/1

Dimensions of the standard sheets:

Sizes:

1500 x 1500 mm

Thicknesses:

1.5 mm, 2.0 mm, 3.0 mm

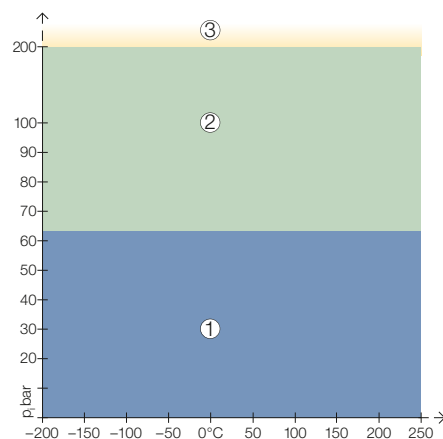
Tolerances:

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.





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