KLINGERSIL® C-4243

KLINGER trusted. worldwide.

KLINGERSIL® C-4243 - universal soft gasket material for general applications.

Consisting of organic fibers bonded with NBR, this universal gasket material is suitable for general non-severe applications.C-4243 is resistant to oils, water, hydrocarbons and other chemicals at lower pressure and temperatures.

Basis composition	Organic fibers bonded with NBR.
Colour	Green
Certificates of Compliance:	Directive 2003/11/EG, Directive 76/769/EWG, REACH, RoHS

Sheet size	1000 x 1500 mm, 2000 x 1500 mm
Thickness	0.4 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm, 4.0 mm, 5.0 mm Subject to stock availability

Tolerances

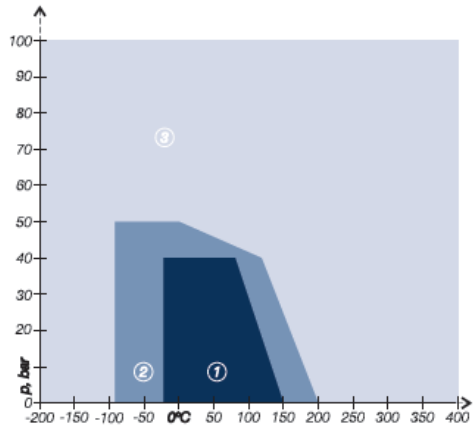
Thickness according to DIN 28091-1
Length: ± 50 mm
Width: ± 50 mm

Industry
General industry / Chemical / Oil & Gas / Energy / Infrastructure / Pulp & Paper / Marine / Automotive / Food & Beverage

TECHNICAL DATA – Typical values for a thickness of 1.5mm

Compressibility	ASTM F 36 J	%	12
Recovery	ASTM F 36 J	%	50
Stress relaxation BS7531	40 MPa,/200°C	MPa	20
Heat loss DIN 52911		%	30
KLINGER cold/hot compression 50MPa	thickness decrease at 23°C thickness decrease at 200°C	% %	15 20
Tightness	DIN 3535/6	mg/(s x m)	<0.1
Thickness increase after fluid	Oil ASTM No 3: 5h/150°C	%	4
(ASTM F 146)	Fuel B: 5h/23°C	%	6
Density		g/cm3	1.65
Weight increase after fluid	Oil ASTM No 3: 5h/150°C	%	11
(ASTM F 146)	Fuel B: 5h/23°C	%	12
Classification acc. to BS 7531:2006	Grade AY		
ASME-Code sealing factors	tightness class 0.1mg/s x m		
for gasket thickness			
1.5/2.0 mm		MPa	y 15 m 2.2

P-T diagram



The area of the P-T diagram

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.

Surfaces:
KLINGERSIL®gasket materials are generally furnished with surfaces of low adhesion. On request, graphite facings 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.

Important points to be observed:
With heightened awareness of safety and environmental issues, reducing leaks from flanged assemblies has become a major priority for industry. It is therefore important for companies who use gaskets to choose the correct material to suit the application and service conditions and install and maintain it correctly to ensure optimum performance.

Gaskets installed with high seating stresses exhibit a longer service life than gaskets installed with lower compressive gasket stresses.

Re-use:
For safety and functional reasons never re-use gaskets.

Chemical resistance chart

Simplified overview of the chemical resistance depending on the most important groups of raw materials:

A: small or no attack — B: weak to moderate attack — C: strong attack

Parafinic hydrocarbon	Motor fuel	Aromates	Chlorinated hydrocarbon fluids	Motor oil	Mineral lubricants	Alcohol	Ketone	Ester	Water	Acid (diluted)	Base (diluted)
A	B	C	C	A	B	A	C	C	A	B	B

For more information on chemical resistance please contact us