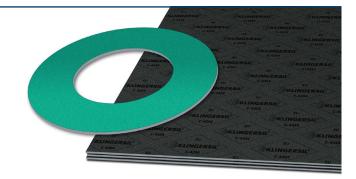




KLINGERSIL[®] C-4324 – universal gasket material utilized in liquid and steam applications.

Manufactured from synthetic high-performance fibers bonded with NBR, this universal high-pressure gasket material is utilized in liquid and steam applications at lower pressures and temperatures. It is resistant to water, oils, hydrocarbons, refrigerants and other chemicals.



Basis composition	Synthetic high-performance fibers bonded with NBR.
Color	Black / Green
Certificates	DIN-DVGW, Elastomer-Guideline, WRAS approval, SVGW approval, DNV GL approval

Sheet size	1000 x 1500 mm, 2000 x 1500 mm			
Thickness	0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm			
Tolerances				
Thickness a	according to DIN 28091-1			
Thickness a Length:	according to DIN 28091-1 ± 50 mm			

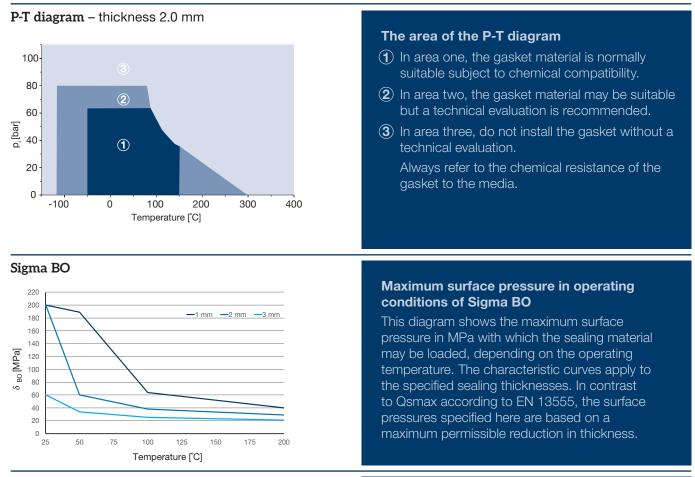
Industry

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

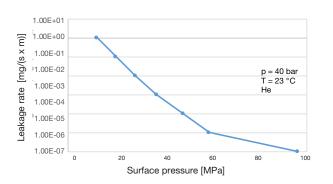
TECHNICAL DATA – Typical values for a thickness of 2.0 mm

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	thickness decrease at 23°C	%	10
50 MPa	thickness decrease at 300°C	%	25
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/cm ³	1.85
Average surface resistance	ρΟ	Ω	1.04x10E13
Average specific volume resistance	ρD	Ωcm	4.3x10E11
Average dielectric strength	Ed	kV/mm	12
Average power factor	50 Hz	tan δ	0.109
Average dielectric coefficient	50 Hz	εr	9
Thermal conductivity	λ	W/mK	0.50
Classification acc. to BS 7531:2006	Grade Y		
ASME-Code sealing factors			
for gasket thickness 2.0 mm	tightness class 0.1mg/s x m	MPa	y 15
			m 2.6





Tightness performance



The tightness performance graph

The graph shows the required stress at assembling to seal a certain tightness class. The determination of the graph is based on EN13555 test procedure which applies 40 bar Helium at room temperature. The sloping curve indicates the ability of the gasket to increase tightness with raising gasket stress.

Chemical resistance chart

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

KLINGERSIL® C-4324 A: small or no attack B: weak till moderate attack C: strong attack Chlorinated Paraffinic Mineral Moto Motor Acid Base Aromates Alcohol Ketone Ester Water hydrocarbon (diluted) hydrocarbon fuel oil lubricants (diluted) fluids Α в С С Α в Α С С Α Α Α

For more information on chemical resistance please visit www.klinger.co.at.

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.



Certified acc. to DIN EN ISO 9001:2015 Subject to technical alterations. Status: April 2020 Rich. Klinger Dichtungstechnik GmbH & Co KG / Am Kanal 8-10 / A-2352 Gumpoldskirchen, Austria Tel +43 (0) 2252/62599-137 / Fax +43 (0) 2252/62599-296 / e-mail: marketing@klinger.co.at

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