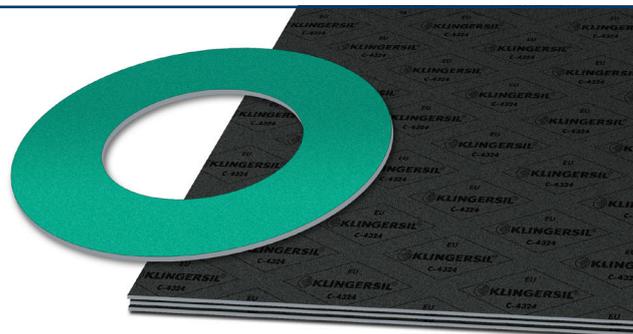




KLINGERSIL® C-4324 - universal gasket material utilized in liquid and steam applications.

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 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 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	%	5
	fuel B: 5 h/23°C	%	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	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

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