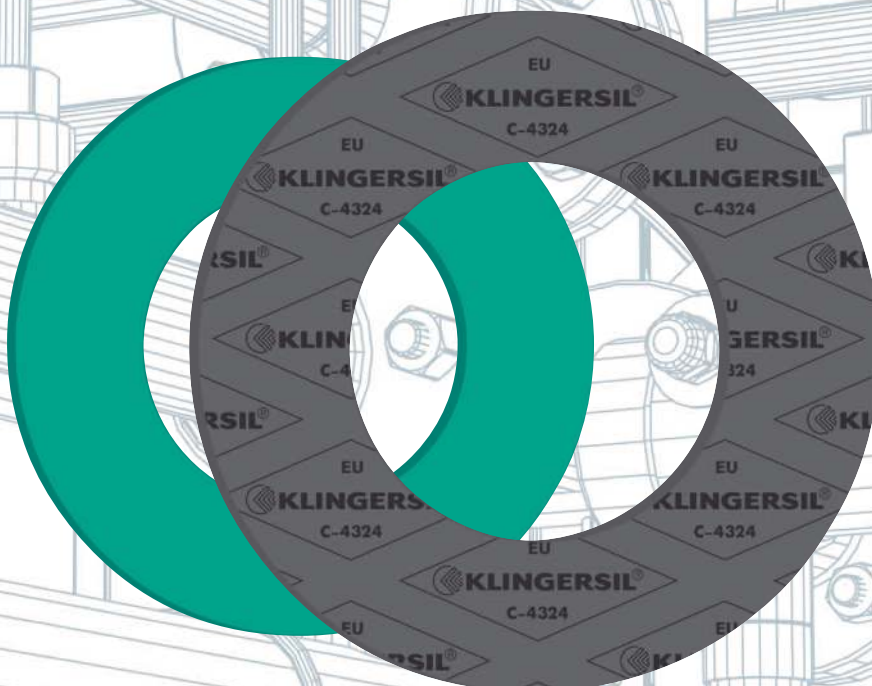


KLINGERSIL® C-4324

Universal gasket material for
general application



KLINGERSIL® C-4324
Combination of synthetic high performance fibres, bonded with NBR.
Resistant to water, oils, hydrocarbons and many other chemicals.
Universal high-pressure gasket for a wide range of suitable applications.

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Technical values

Resistant to water, oils, hydrocarbons and many other chemicals.
Universal high-pressure gasket for a wide range of suitable applications.

■ Basis

Combination of synthetic high performance fibres, bonded with NBR.

■ Dimensions of the standard sheets

Sizes:
1,000 x 1,500 mm,
2,000 x 1,500 mm.
Thicknesses:
0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm
Tolerances:
Thickness acc. DIN 28091-1,
length $\pm$ 50 mm, width $\pm$ 50 mm.

Other thicknesses, sizes and tolerances on request.

■ Surfaces

KLINGERSIL® gasket materials are generally furnished with surfaces of low adhesion.

■ 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.

Typical values for thickness 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/cm³	1.85
Average surface resistance	ρ_O	Ω	1.04x10E13
Average specific volume resistance	ρ_D	Ω cm	4.3x10E11
Average dielectric strength	E_d	kV/mm	12
Average power factor	50 Hz	tan δ	0.109
Average dielectric coefficient	50 Hz	ϵ_r	9
Thermal conductivity	λ	W/mK	0.50
ASME-Code sealing factors			
for gasket thickness 1.0 mm	tightness class 0.1 mg/s x m MPa	y 15	m 2.2
for gasket thickness 2.0 mm	tightness class 0.1 mg/s x m MPa	y 15	m 2.6
for gasket thickness 3.0 mm	tightness class 0.1 mg/s x m MPa	y 15	m 4.1

Classification acc. to BS 7531:2006 Grade Y

■ Tests and approvals

DIN-DVGW
Elastomer-Guideline
WRAS approval
German Lloyd
SVGW approval