

KLINGERSil C-4400

High quality non-asbestos grade based on aramid fibre with nitrile rubber binder. A general purpose material for many industrial-sealing applications.

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service

General Properties

- Good resistance to oils, fuels, hydrocarbons
- Good creep resistance
- Low leakage
- Very successful in internal combustion engine applications
- 3xA anti-stick finish on both sides

Tests and Certifications

- BS 7531 Grade Y
- BS F 130 Type A
- Firesafe HTB 90.0223.39.0
- DIN-DVGW
- BAM U W28 for use with oxygen 100°C / 80 Bar
- KTW A 528/88/G
- SVGW 89-053-7
- Germanischer Lloyd 98 952 – 97 HH
- TA-Luft (Clean Air) certificate acc. VDI 2440

Availability

- *Sheeting (m):* 2.0 x 1.5*, 4.0 x 1.5, 1.5 x 1.0
- *Thickness (mm):* 0.25, 0.4, 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0

* - Denotes standard sheet size

Also available with re-inforcements:
 KLINGERSil C-4408, mild steel mesh
 KLINGERSil C-4409, expanded mild steel

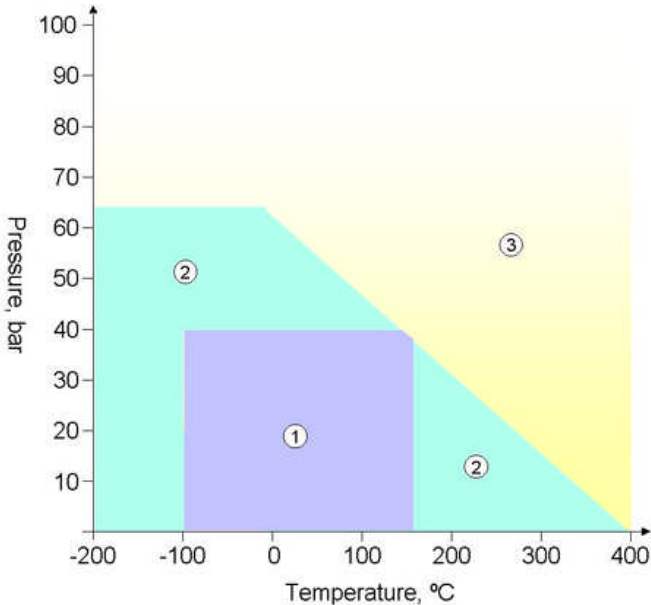


aerospace
sector
certification
scheme

BS EN 9100:2003, ISO 9001:2008
 Certificate no: FM 10571



KLINGERsil C-4400



Application Guidelines

1. Usually satisfactory without reference.
2. Usually satisfactory, but suggest you refer to Klinger for advice
3. Caution: May be suitable but essential that you refer to Klinger for advice.

Chemical compatibility must be considered in all cases.

Typical Specifications

Compressibility ASTM F 36 A		11%
Recovery ASTM F 36 A		55%
Stress relaxation DIN 52913	50MPa, 16h/175°C	32MPa
	50MPa, 16h/300°C	25MPa
Stress relaxation BS 7531		23MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	10%
	Thickness decrease at 300°C	20%
Gas leakage according to DIN 3535/6		0.02ml/min
Thickness increase after fluid immersion ASTM F 146	Oil no.3:5h/150°C	3%
	Fuel B:5h/23°C	5%
Chlorides (soluble)		150ppm
Density		1.6g/cm ³
Average surface resistance	R _{OA}	1.4x10E12 Ω
Average specific volume resistance	ρ _D	1.2x10E12 Ω cm
Average dielectric strength		21.6 kV/mm
Average power factor	1kHz,ca. 2mm thick	0.075 tan δ
Average dielectric constant	1kHz,ca.2mm thick	7.7 ε _r
Thermal conductivity		0.4-0.42W/mK

Head Office

KLINGER Ltd
Wharfedale Road
Euroway Trading Estate
Bradford BD4 6SG

Tel: 01274 688 222
Fax: 01274 688 549
enquiries@klinger.co.uk
www.klinger.co.uk

Klinger Ltd. Grangemouth
Tel: 01324 472 231
Fax: 01324 482 111

Klinger Ltd. Aberdeen
Tel: 01224 772 962
Fax: 01224 772 953

Klinger Ltd. Southampton
Tel: 023 8061 1855
Fax: 023 8061 0360

Klinger Ltd. Runcorn
Tel: 01928 577 030
Fax: 01928 575 223

Klinger Ltd. Middlesbrough
Tel: 01642 220 289
Fax: 01642 220 290

All information and recommendations contained in this specification sheet are to the best of our knowledge correct. Since conditions of use are beyond our control, users must satisfy themselves that the products are suitable for the intended processes and uses. No warranty is given or implied in respect of information or recommendations or that any use of products will not infringe rights belonging to other parties. In any event or occurrence our liability is limited to our invoice value of the goods delivered by us to you. We reserve the right to change product design and properties without notice