

KLINGERSil C-4430

Optimised combination of synthetic fibres and glass-fibre bound with NBR. Premium quality jointing with high temperature resistance in steam and water as well as excellent resistance to oils and hydrocarbons.

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

- Excellent creep resistance
- Good steam resistance
- Resistant to oils, fuels, hydrocarbons etc.
- WRc approved for use in hot and cold potable water
- Fire-safe
- 3xA anti-stick finish on both sides

Tests and Certifications

- BS 7531 Grade AX
- Firesafe BS 5146
- WRc Approval
- DIN-DGVW 92.01e052
- BAM U W28 for use with oxygen 100 bar / 85°C
- KTW C55/94.Stf
- SVGW 92-149-7
- TA-Luft (Clean Air) certificate acc. VDI 2440
- Germanischer Lloyd 98 953 – 97 HH

Availability

- **Sheeting (m):** 2.0 x 1.5*, 4.0 x 1.5, 2.0 x 2.0, 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, 4.0

* - Denotes standard sheet size

Also available with re-inforcements:

KLINGERSil C-4438, mild steel mesh

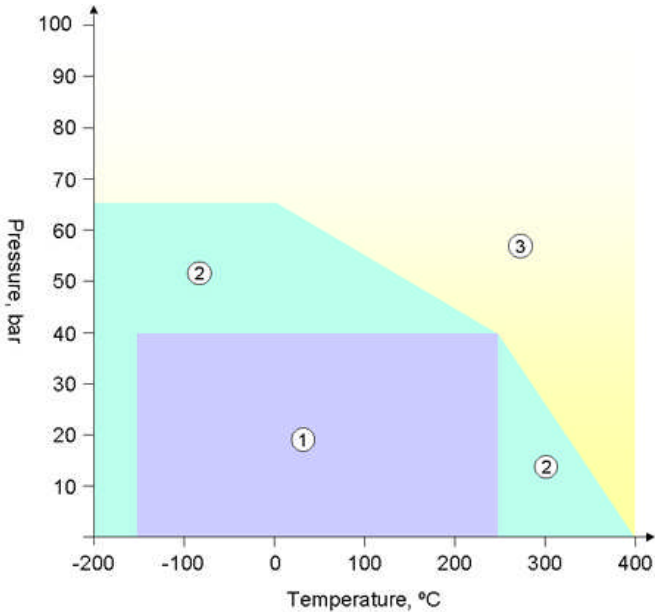
KLINGERSil C-4439, expanded mild steel



aerospace
sector
certification
scheme

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

KLINGERsil C-4430



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		9%
Recovery ASTM F 36 A		50% min.
Stress relaxation DIN 52913	50MPa, 16h/175°C	39MPa
	50MPa, 16h/300°C	35MPa
Stress relaxation BS 7531		31MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	8%
	Thickness decrease at 300°C	11%
Gas leakage according to DIN 3535/6		<0.1ml/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		1.75g/cm ³
Average surface resistance	R _{OA}	4.1x10E13 Ω
Average specific volume resistance	ρ _D	4.5x12E12 Ω cm
Average dielectric strength		21.3 kV/mm
Average power factor	1kHz, ca. 2mm thick	0.02 tan δ
Average dielectric constant	1kHz, ca.2mm thick	6.4 ε _r
Thermal conductivity		0.42W/mK

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