

**WILLIAM JOHNSTON**  
& COMPANY LIMITED

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## 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 X
- 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
- Germanischer Lloyd 98 953 – 97 HH

### Availability

- Sheet (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

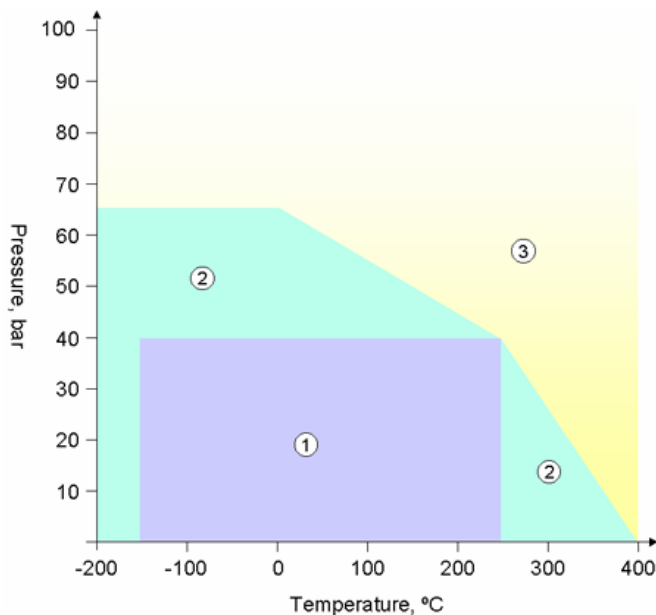
KLINGERSil C-4439, expanded mild steel



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		11%
Recovery ASTM F 36 A		50%
Stress relaxation DIN 52913	50MPa, 16h/300°C	35MPa
Stress relaxation BS 7531		31MPa
Klinger cold/hot compression (50MPa)	Thickness decrease 23°C	8%
	decrease at 300°C	11%
Gas leakage according to DIN 3535/6		<1.0ml/min
Chlorides (soluble)		150ppm
Thickness increase after fluid	Oil nr.3:5h/150°C	3%
Immersion ASTM F 146	Fuel B:5h/23°C	5%
Density		1.55g/cm <sup>3</sup>
Average surface resistance	R <sub>OA</sub> (xE10)	6.8 Ω
Average specific volume resistance	ρ <sub>D</sub> (xE11)	1.2 Ω cm
Average power factor		15.2 kV/mm
Average dielectric strength	1kHz,ca. 3mm thick	0.05 tan δ
Average dielectric constant	1kHz,ca.3mm thick	6.4 ε <sub>r</sub>
Heat conductivity		0.42W/mK

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