



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

- Sheetting (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

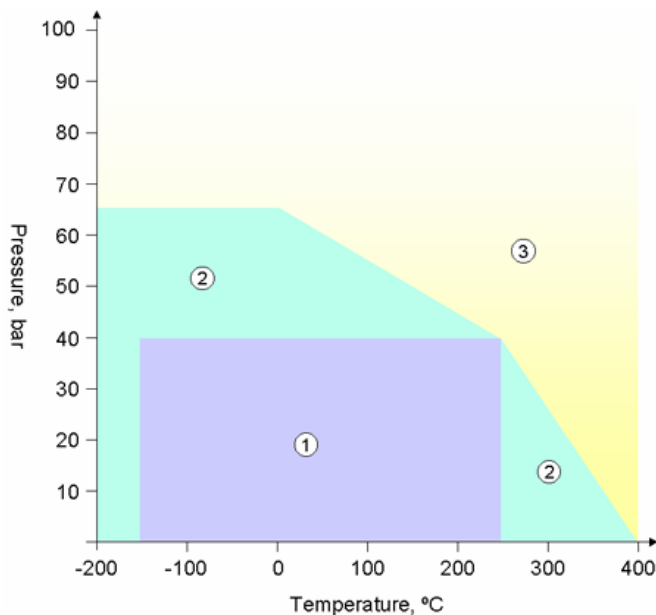
Also available with re-inforcements:

KLINGERSil C-4438, mild steel mesh

KLINGERSil C-4439, expanded mild steel



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 ³
Average surface resistance	R _{OA} (xE10)	6.8 Ω
Average specific volume resistance	ρ _D (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 _r
Heat conductivity		0.42W/mK

Head Office

KLINGER Ltd
Wharfedale Road
Euroway Trading Estate
Bradford BD4 6SG

Tel: 01274 688 222
Fax: 01274 688 549

Klinger Ltd. Grangemouth

Tel: 01324 472 231
Fax: 01324 482 111

Klinger Ltd. Aberdeen

Tel: 01224 772 962
Fax: 01224 772 953

Klinger Ltd. Middlesbrough

Tel: 01642 220 289
Fax: 01642 220 290

Klinger Ltd. Runcorn

Tel: 01928 577 030
Fax: 01928 575 223

Klinger Ltd. International

Tel: 020 8308 0100
Fax: 020 8308 0200

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