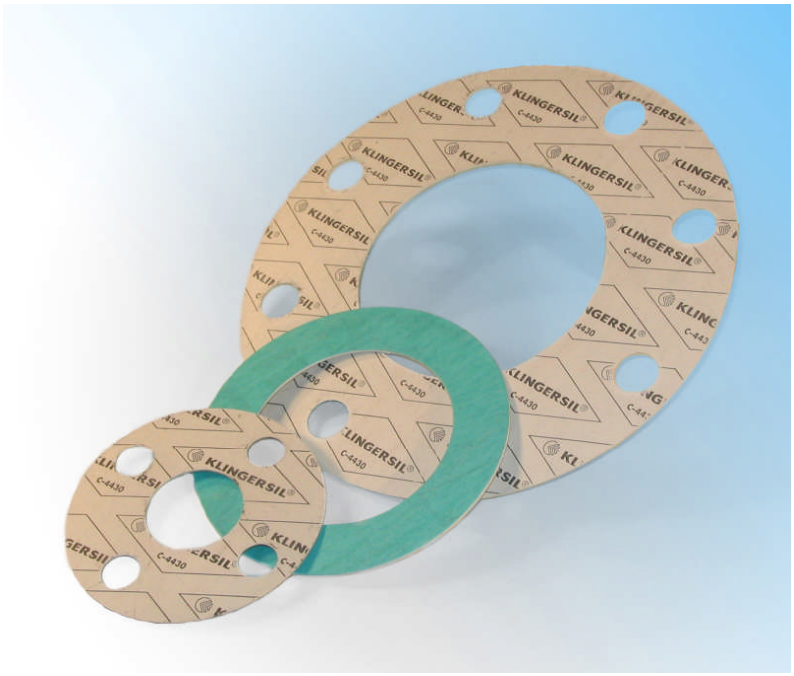


KLINGERsil C-4430

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

BSI REGISTERED FIRM
Certificate No. FM 10571

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

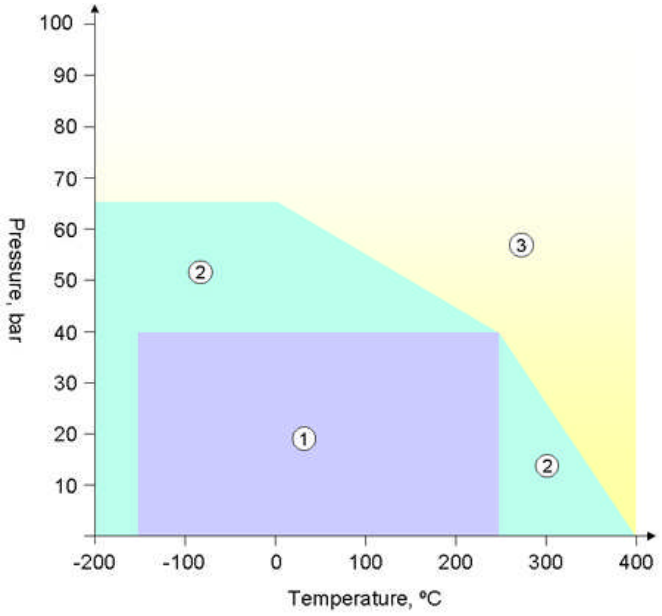
- *BS 7531 Grade AX*
- *Firesafe BS 5146*
- *WRc Approval*
- *DIN-DVGW*
- *BAM U W28 for use with oxygen 100 bar / 85°C*
- *KTW C55/94.Stf*
- *SVGW 92-149-7*
- *TA-Luft (Clean Air) certificate acc. VDI 2440*
- *Germanischer Lloyd 98 953 – 97 HH*

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

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%*
Stress relaxation DIN 52913	*50MPa, 16h/300^{0}C*	*35MPa*
Stress relaxation BS 7531		*31MPa*
Klinger cold/hot compression (50MPa)	*Thickness decrease 23^{0}C*	*8%*
	decrease at 300^{0}C	*11%*
Gas leakage according to DIN 3535/6		*<1.0ml/min*
Chlorides (soluble)		*150ppm*
Thickness increase after fluid	*Oil nr.3:5h/150^{0}C*	*3%*
Immersion ASTM F 146	*Fuel B:5h/23^{0}C*	*5%*
Density		*1.75g/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 εr*
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. Runcorn
Tel: 01928 577 030
Fax: 01928 575 223

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

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

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