

PRODUCT DESCRIPTION

KLINGERSIL C-4430 is an optimised combination of synthetic fibres and glass-fibre bound with NBR. It is a premium-quality jointing with high temperature resistance in steam and water, as well as excellent resistance to oils and hydrocarbons.



TESTS AND CERTIFICATIONS

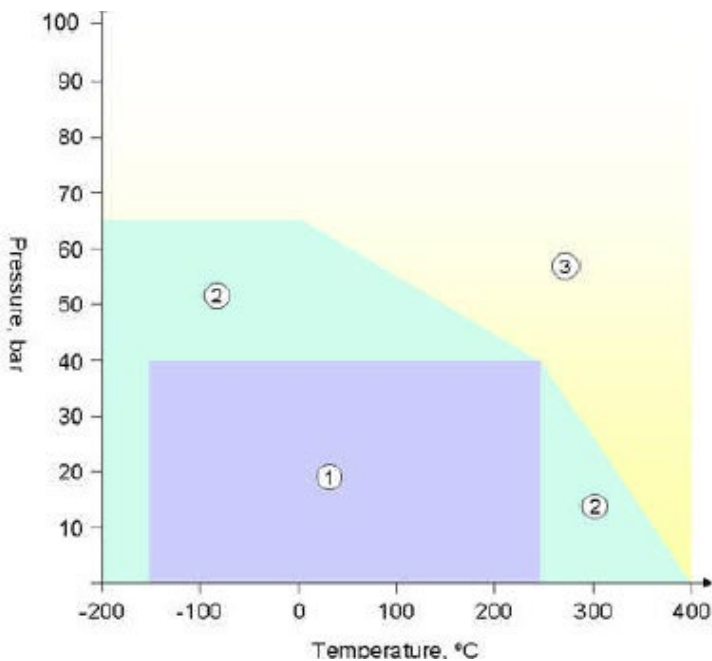
- BS 7531 Grade AX
- Fire safe BS 5146
- WRc Approval
- DIN-DGW 92.01e052
- BAM U W28 for use with oxygen 100 bar / 85°C
- KTW C55/94.Stf
- SVGW 92-149-1
- TA-Luft (Clean Air) certificate acc. VDI 2440
- Germanischer Lloyd 98 952 – 97 HH

GENERAL PROPERTIES

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

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 reinforcements KLINGERSil C-4438, mild steel mesh, KLINGERSil c-4439 expanded mild steel.



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

Chemical compatibility must be considered in all cases.

TYPICAL SPECIFICATION		
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		23MPa
Cold/hot compression, 50MPa	Thickness decrease 23°C	8%
	Thickness decrease 300°C	11%
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		1.75g/cm ³
Average surface resistance	ROA	4.1x10E13Ω
Average specific volume resistance		4.5x12E12Ωcm
Average dielectric strength		21.3 kV/mm
Average power factor	1kHz, ca. 2mm thick	0.02 tan
Average dielectric constant	1kHz, ca. 2mm thick	6.4
Thermal conductivity		0.42W/mK

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