



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.
- » WRAS 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 EN ISO 10497
- » WRAS 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

- » Sheetting (m): 2.0 x 1.5*, 4.0 x 1.5, 2.0 x 2.0
- » 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

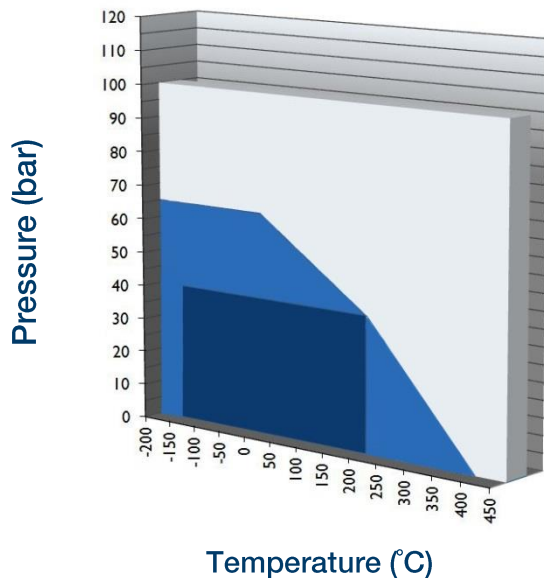
- Also available with re-inforcements:

KLINGERSil C-4438, mild steel mesh

KLINGERSil C-4439, expanded mild steel

APPLICATION GUIDELINES

KLINGERSIL C-4430



- Caution: May be suitable but essential that you refer to Klinger for advice
- Usually Satisfactory, but suggest you refer to Klinger for advice
- Usually Satisfactory to Use Without Reference

NOTE: Chemical Compatibility must be considered in all cases.

TYPICAL SPECIFICATIONS

(Typical values based on 2mm thick material)

PROPERTIES	TEST CONDITIONS	VALUES
Compressibility (ASTM F 36 J)		9%
Recovery (ASTM F 36 J)		50%
Stress relaxation (DIN 52913)	50 MPa, 16h/ 175°C	39MPa
	50 MPa, 16h/ 300°C	35MPa
Stress relaxation (BS 7531)	40 MPa, 16h/ 300°C	31MPa
Klinger cold/hot compression 50 MPa	thickness decrease at 23°C	8%
	thickness decrease at 300°C	11%
Tightness according (DIN 3535/6)	DIN 28090-1	<0.1 mg/s x m
Tightness class L	VDI 2440	0.1
Specific leakrate λ	VDI 2440	$2.9e^{-06}$ mbar x l/s x m
Thickness increase after immersion in:	Oil IRM 903: 5 h/150°C	3%
	Fuel B: 5 h/23°C	5%
Density		1.75 g/cm ³

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FM 10571

OHS 570166

EMS 570165

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KLINGER ABERDEEN

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Fax: 01224 772 953

KLINGER IMMINGHAM

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Fax: 08449 676 779

KLINGER MIDDLESBROUGH

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KLINGER GRANGEMOUTH

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