

PRODUCT DESCRIPTION

KLINGERSIL C-4400 is a high quality, non-asbestos grade material based on aramid fibre with nitrile rubber binder. It is a general purpose material for many industrial-sealing applications.



TESTS AND CERTIFICATIONS

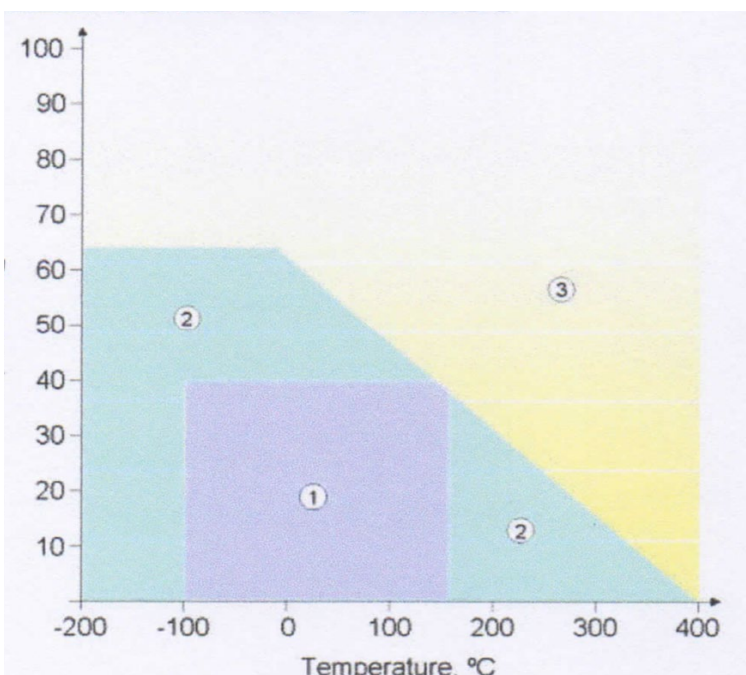
- BS 7531 Grade Y
- BS F 130 Type A
- Fire safe HTB 90.0223.39.0
- DIN-DVGW
- BAM U W28 for use with oxygen 100°C / 80 Bar
- KTW A 528/88/G
- SVGW 89-053-
- Germanischer Lloyd 98 952 – 97 HH
- TA-Luft (Clean Air) certificate acc. VDI 2440

PROPERTIES

- Good resistance to oils, fuels, and hydrocarbons
- Good creep resistance
- Low leakage
- Very successful in internal combustion engine applications
- 3xA anti-stick finish on both sides

AVAILABILITY	
Sheeting (m)	2.0 x 1.5*, 4.0 x 1.5, 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

*Denotes standard sheet size



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		11%
Recovery ASTM F 36 A		55%
Stress relaxation DIN 52913	50MPa, 16h/175°C	32MPa
	50MPa, 16h/300°C	25MPa
Stress relaxation BS 7531		23MPa
Cold/hot compression, 50MPa	Thickness decrease 23°C	10%
	Thickness decrease 300°C	20%
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		1.6g/cm ³
Average surface resistance	ROA	1.4x10 ¹² Ω
Average specific volume resistance		1.2x10 ¹² Ωcm
Average dielectric strength		21.6 kV/mm
Average power factor	1kHz, ca. 2mm thick	0.075 tan
Average dielectric constant	1kHz, ca. 2mm thick	7.7
Thermal conductivity		0.4-0.42W/mK

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