



KLINGERSIL C-4400



High quality non-asbestos grade based on aramid fibre with nitrile rubber binder. A general purpose material for many industrial-sealing applications.

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

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

TESTS AND CERTIFICATIONS

- » BS 7531 Grade Y
- » ÖVGW Reg.No. G 1.912
- » Firesafe ISO 10497
- » DIN-DVGW
- » BAM -tested
- » Germanischer Lloyd
- » TA-Luft (Clean Air)
- » Elastomer-Guideline

AVAILABILITY

- » Sheetting (m): 2.0 x 1.5*, 4.0 x 1.5
- » Thickness (mm): 0.25, 0.4, 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0

* - Denotes standard sheet size

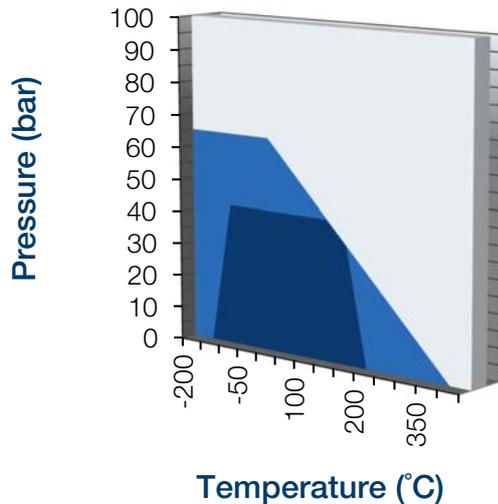
Also available with re-inforcements:

KLINGERSil C-4408, mild steel mesh

KLINGERSil C-4409, expanded mild steel

APPLICATION GUIDELINES

KLINGERSIL C-4400



- 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 should be considered in every case.

TYPICAL SPECIFICATIONS

(Typical Values for 2.0mm thick material)

PROPERTIES	CONDITIONS	VALUES
Compressibility ASTM F 36 J		11 %
Recovery ASTM F 36 J		55 %
Stress relaxation DIN 52913	50MPa, 16h/175°C	37MPa
	50MPa, 16h/300°C	25MPa
Stress relaxation BS 7531	40MPa 16h/300°C	25MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	10 %
	Thickness decrease at 300°C	20 %
Tightness DIN 28090-2		0.02mg/s.m
Thickness increase after fluid immersion ASTM F 146	Oil IRM 903 5h/150°C	3 %
	Fuel B:5h/23°C	5 %
Density		1.6g/cm ³
Average surface resistance	P _O	1.4x10 ¹² Ω
Average specific volume resistance	P _D	1.2x10 ¹² Ω cm
Average dielectric strength		21.6 kV/mm
Average power factor	1kHz, ca. 2mm thick	0.075 tan δ
Average dielectric constant	1kHz, ca. 2mm thick	7.7 ε _r
Thermal conductivity	λ	0.40-0.42W/mK

HEAD OFFICE

KLINGER Ltd
Wharfedale Road
Euroway Trading Estate
Bradford BD4 6SG

Tel: 01274 688 222
Fax: 01274 688 549
www.klinger.co.uk
enquiries@klingeruk.co.uk

KLINGER RUNCORN

Tel: 01928 577 030
Fax: 01928 575 233

KLINGER SOUTHAMPTON

Tel: 02380 611 855
Fax: 02380 610 360

KLINGER ABERDEEN

Tel: 01224 772 962
Fax: 01224 772 953

KLINGER IMMINGHAM

Tel: 01469 575 289
Fax: 08449 676 779

KLINGER MIDDLESBROUGH

Tel: 01642 220 289
Fax: 01642 220 290

KLINGER GRANGEMOUTH

Tel: 01324 472 231
Fax: 01324 482 111



FM 602916

FM 10571

OHS 570166

EMS 570165