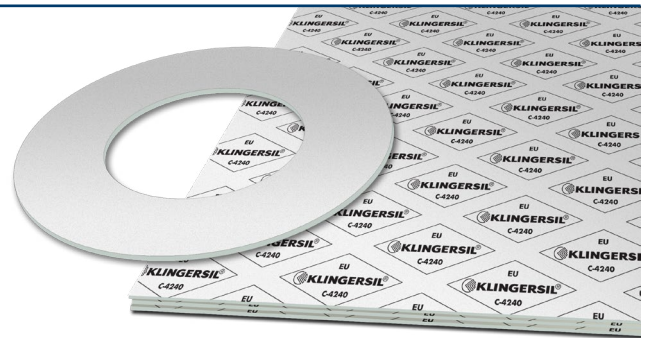




KLINGERSIL® C-4240 is a gasket specially designed for the individual requirements of the drinking water supply.

Application in noncritical media such as drinking water, water, oils, fuels, hydrocarbons and inert gases.



Basis composition NBR (drinking water type) bonded, reinforced with cellulose fibers. All raw materials are positively assessed with regard to their use in drinking water.

| | |
|---------------------|---|
| Color | White |
| Certificates | DIN-DVGW, DIN 16421 (formerly DIN-DVGW W 270), KTW-BWGL (P2), WRAS approval (Cold water), in preparation: WRAS approval (Hot water) and ACS approval |

| | |
|-------------------|---|
| Sheet size | 2000 x 1500 mm |
| Thickness | 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm |
| Tolerances | Thickness according to DIN 28091-1 Length: ± 50 mm Width: ± 50 mm |

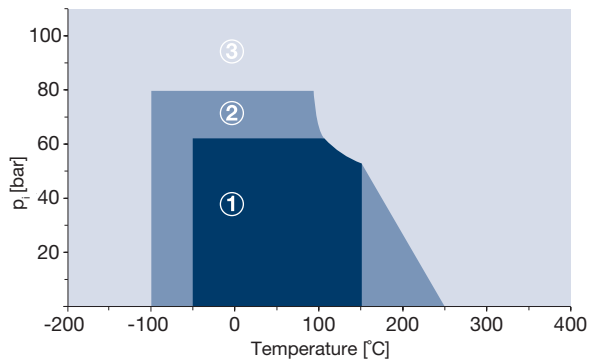
Industry

General Industry / Oil & Gas / Energy / Infrastructure / Pulp & Paper / Marine / Automotive / Food & Beverage

TECHNICAL DATA - Typical values for a thickness of 2.0 mm

| | | | |
|--|-----------------------------|-------------------|------|
| Compressibility | ASTM F 36 J | % | 10 |
| Recovery | ASTM F 36 J | % | 45 |
| Stress relaxation DIN 52913 | 50 MPa, 16 h/175°C | MPa | 35 |
| KLINGER cold/hot compression | thickness decrease at 23°C | % | 10 |
| 50 MPa | thickness decrease at 200°C | % | 15 |
| Tightness | DIN 28090-2 | mg/(s x m) | 0,01 |
| Thickness increase after fluid immersion | oil IRM 903: 5 h/150°C | % | 5 |
| ASTM F 146 | fuel B: 5 h/23°C | % | 10 |
| Density | DIN 28090-2 | g/cm ³ | 1,75 |

P-T Diagramm - Thickness 2.0 mm



The area of the P-T diagram

- ① In area one, the gasket material is normally suitable subject to chemical compatibility.
- ② In area two, the gasket material may be suitable but a technical evaluation is recommended.
- ③ In area three, do not install the gasket without a technical evaluation. Always refer to the chemical resistance of the gasket to the media.

Chemical resistance chart

Simplified overview of the chemical resistance depending on the most important groups of raw materials:

| KLINGERSIL® C-4240 | | | | | | A: small or no attack | B: weak till moderate attack | C: strong attack | | | |
|---------------------------|------------|----------|--------------------------------|-----------|--------------------|------------------------------|-------------------------------------|-------------------------|----------|----------------|----------------|
| Paraffinic hydrocarbon | Motor fuel | Aromates | Chlorinated hydrocarbon fluids | Motor oil | Mineral lubricants | Alcohol | Ketone | Ester | Water | Acid (diluted) | Base (diluted) |
| A | B | C | C | A | B | A | C | C | A | C | C |

For more information on chemical resistance please visit www.klinger.co.at.

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

