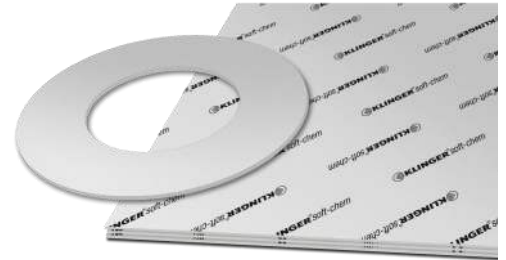


KLINGER®soft-chem

Unmatched expanded PTFE gasket sheet

KLINGER soft-chem is a premium multi-directional expanded PTFE gasket material that combines exceptional chemical resistance with excellent sealability and creep resistance. Its highly compressible structure conforms to irregular flange surfaces, providing dependable sealing at low bolt loads across a wide range of industrial applications. Easy to cut, install, and standardize throughout a facility, soft-chem delivers long-term sealing reliability across a broad range of industrial applications.



KEY FEATURES AND BENEFITS

- » Excellent resistance to chemical attack
- » Dimensionally stable
- » Flexibility makes it easy to hand or die cut and simple to install
- » Can be used with more fragile piping systems including FRP flanges
- » Indefinite shelf life

CERTIFICATES & APPROVALS

- » FDA compliant
- » TA Luft (clean air) complaint
- » Conforms to Regulation EU No. 1935/2004

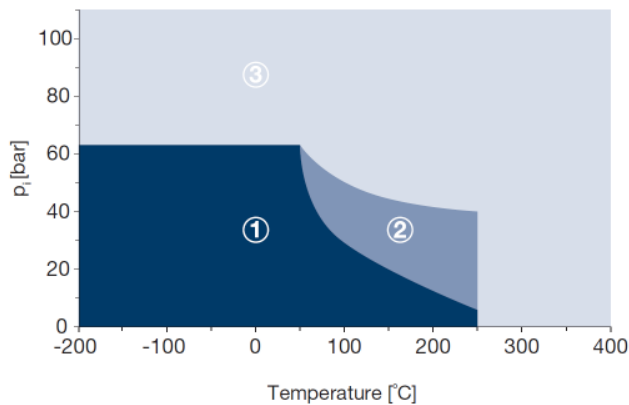
TYPICAL VALUES REFERS TO 2.0 MM THICK MATERIAL UNLESS NOTED

Compressibility ASTM F36 M	55 %
Recovery ASTM F36 M	15 %
Stress relaxation DIN 52913 30 MPa, 16 h/150°C	15 MPa
KLINGER cold/hot compression test 25 MPa	
Thickness Decrease 72°F (23°C)	35 %
Thickness Decrease 302°F (150°C)	30 %
Tightness DIN 28090-2	0.01 mg/(s x m)
Density	56 lb/ft³ (0.90 g/cm³)
Color	White

KLINGER® soft-chem

The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

P-T Diagram - thickness 2.0 mm



In area ① the gasket material is suitable using common installation practices subject to chemical compatibility.

In area ② appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to KLINGERexpert for assistance.

In area ③ do not install gaskets in these applications without first referring to KLINGERexpert or contacting KLINGER's technical support service.

The ability of a gasket to make and maintain a seal depends not only on the style and quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled onto the flanges and tightened. These factors are beyond the manufacturer's control.

KLINGER Thermoseal

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