KLINGER Mzansi

KLINGER Gaskets

KLINGER Gaskets - Select the correct product for your application.

Sigraflex® Hochdruck, high integrity multilayer laminate of exfoliated graphite and 316SS.
A sealing material with excellent thermal and chemical resistance. Used in chemical, petrochemical and power generation applications.
Temperature: -250˚C to 450˚C | **Pressure:** 250bar

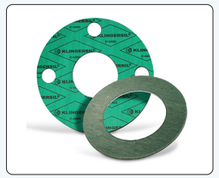
KLINGER PSM, pure exfoliated graphite mechanically bonded to a tanged 316SS insert. A sealing material with excellent chemical and thermal capabilities. Used in chemical, petrochemical, steam and thermal processes.
Temperature: -196˚C to 450˚C | **Pressure:** 80bar

KLINGERtop-chem 2003, premium grade high compressibility modified PTFE.
A chemically resistant sealing material for strong acid and alkali applications with low to medium mechanical requirements at low to medium temperatures.
Temperature: -196˚C to 200˚C
Pressure: 62bar @ 0˚C & 0bar @ 200˚C

KLINGER SLS, pure exfoliated graphite chemically bonded to a solid 316SS insert. A sealing material with excellent chemical and thermal capabilities. Used in applications where bolt load is limited or flanges are damaged.
Temperature: -196˚C to 450˚C
Pressure: 45bar

KLINGERtop-chem 2005, economical acid grade modified PTFE. A chemically resistant sealing material for strong acid applications with high mechanical and temperatures requirements.
Temperature: -196˚C to 200˚C | **Pressure:** 62bar @ 0˚C & 40bar @ 250˚C

KLINGER Hygrade LS, highly compressible expanded PTFE.
A soft, flexible sealing material, resistant to most chemicals.
Ideal for use with glass-lined and enamel flanges.
Temperature: -196˚C to 200˚C | **Pressure:** 60bar @ 50˚C & 10bar @ 200˚C



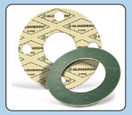
KLINGERsil C4400, manufactured from aramid fibre with a nitrile binder.
A high quality, general purpose sealing material for use in many industrial applications. Excellent fluid swell and gas permeability properties.

Temperature: -100˚C to 180˚C
Pressure: 60bar **

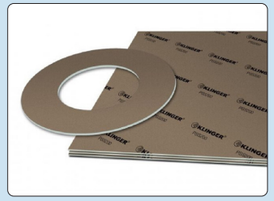
KLINGERtop-mic, manufactured from a blend of fibres and mica with a nitrile binder. A sealing material with outstanding flexibility and excellent sealability in steam. Resistance to oils, fuels, hydrocarbons and other chemicals.
Temperature: -196˚C to 300˚C | **Pressure:** 45bar **

KLINGERtop-graph 2000, manufactured from expanded graphite and synthetic fibres with nitrile binder. A sealing material with outstanding flexibility and excellent sealability in steam. Resistance to oils, fuels, hydrocarbons and other chemicals.
Temperature: -196˚C to 300˚C | **Pressure** 60bar **

KLINGERsil C4500, manufactured from carbon fibres with a nitrile binder. A sealing material with outstanding resistance to media and steam. Resistance to oils, fuels, hydrocarbons and other chemicals.
Temperature: -196˚C to 250˚C | **Pressure:** 60bar **



KLINGERsil C4430, manufactured from synthetic and glass fibres with a nitrile binder.
A sealing material with high temperature resistance in steam, oils, fuels, hydrocarbons and other chemicals. Suitable for potable water.
Temperature: -150˚C to 250˚C | **Pressure:** 60bar **



KLINGERmilam PSS is an asbestos free sealing material based on mica reinforced with stainless tanged insert.
It is specifically designed for hot, dry gas applications up to 900°C. However, the outstanding chemical resistance of mica makes the gasket suitable for a wide range of applications.
Temperature: 900˚C
Pressure: 15bar @ 600˚C & 5bar @ 900˚C .

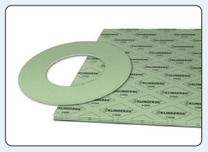
KLINGER Ring Type Joint, manufactured from various steel. A high integrity gasket with excellent high pressure, high temperature and chemical resistance.
Used extensively in piping flanges.
Temperature: -196˚C to 1000˚C | **Pressure**: 500bar *

KLINGER Maxiflex (Spiral), a semi metallic gasket manufactured from a variety of steel and fillers.
A gasket with excellent pressure, temperature and chemical resistance. Very tolerant of cyclic applications and misaligned flanges.
Temperature: -196˚C to 1000˚C | **Pressure:** 300bar *

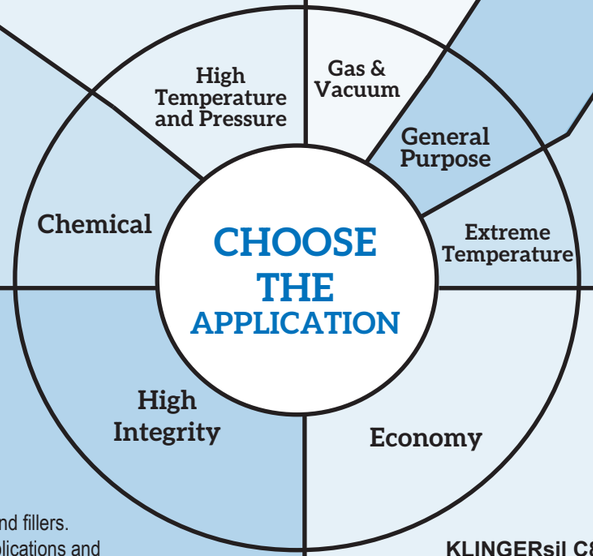
KLINGER Maxiprofile (Kammprofile), a semi metallic gasket manufactured from a variety of steel and soft sealing faces. A gasket with excellent pressure, temperature and chemical resistance. Used extensively in equipment girth flanges.
Temperature: -196˚C to 1000˚C | **Pressure:** 250bar *

KLINGERsil C4324, manufactured from a blend of glass fibres with a nitrile binder.
An economical sealing material for use in general industrial applications.
Resistance to oils, fuels, hydrocarbons, low pressure steam and water.
Temperature: -50˚C to 150˚C | **Pressure**: 40bar

KLINGERsil C8200, manufactured from glass fibres with an acid resistant binder. A sealing material designed for aggressive chemical environments. Resistance to acids, alkalis, ketones, aldehydes and refrigerants.
Temperature: -25˚C to 100˚C | **Pressure:** 60bar @ 50˚C & 27bar @ 100˚C



KLINGERsil C4243, a sealing material for general purpose applications. Suitable for liquids and gases at low pressures and temperatures. Good chemical resistance to water and oil in non-critical applications.
Temperature: -25˚C to 150˚C | **Pressure:** 40bar @ 100˚C & 0bar @ 150˚C



NOTE:
A common misconception is that the suitability of a gasket for any given application depends upon the maximum temperature and pressure conditions. This is not the case. It is always advisable to consider flange quality, bolt load, bolt strength, chemical resistance, pressure, temperature, installation procedures, misalignment and any additional stresses such as fluctuating loads. All of the above may significantly affect the suitability of the gasket in the given application. Please contact technical@klinger.co.za for technical support.

* Temperature rating is dependent on the correct selection of construction materials

** Steam temperature should not exceed 180˚C

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