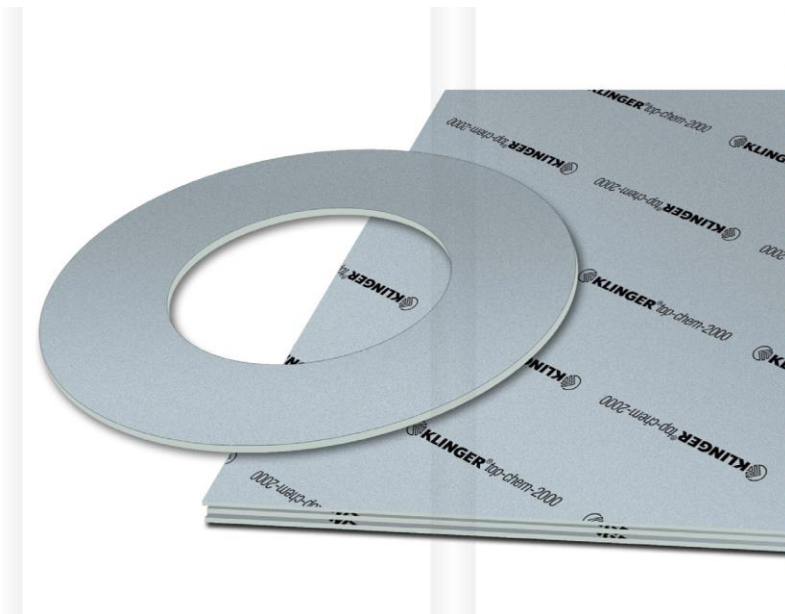


Dichtungstechnik

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KLINGER®
top-chem



ABOUT US

LEADING IN STATIC SEALING SOLUTIONS

As the industry's preferred partner for the production and development of high-quality soft sealing materials, our sales and technical support combines unsurpassed material know-how with world-class application expertise. KLINGER Dichtungstechnik offers a wide range of CNAF, PTFE, Graphite and Mica materials for sealing applications.

We strive to lead the industry in terms of Total Cost of Ownership.

The KLINGER global network makes sure that our materials and services are available to you locally no matter where you are.

HISTORY

For nearly 80 years our everyday lives have been improved by a resin called polytetrafluoroethylene, or PTFE. Discovered completely by accident on 6th April 1938 by DuPont chemist, Dr. Roy Plunkett whilst trying to invent a better coolant gas.

Since 1958 the French agriculture ministry approved the product to be used in the food industry where it has set standards ever since.

Conventional PTFE and filled PTFE products reached their application limits very soon. In 1992 KLINGER developed the unique KLINGER®top-chem 2000 material with superior stress resistance at high temperatures and maximum media resistance.

PRODUCTS/INDUSTRIES

At KLINGER we focus on ensuring plant safety. No matter whether the medium to be transported is fluid or gaseous, we see it as our responsibility to ensure that media remain where they are intended. Fully committed to this approach, our gaskets ensure reliable and safe operation.

KLINGER®top-chem is offering excellent chemical resistance in strongly acidic and alkaline applications and can be used in the pharma industry, food industry, oxygen pipelines etc.



KLINGER®top-chem State-of-the-art PTFE materials

Our PTFE-based soft sealing material range guarantees ultimate chemical resistance and is designed to cater for the majority of gasket applications. Products from the KLINGER®top-chem range are tailored to provide the characteristics required by their target industries. Amongst others, this includes tightness even at low surface pressures, high resistance against strong acids or strong alkaline solutions as well as good properties at medium and low temperatures.

Top-chem 2000, a PTFE gasket filled with silicon carbide, offers unique mechanical properties and is the only PTFE gasket material with a fire-safe certificate worldwide.	Top-chem 2000soft is a porous PTFE sealing grade filled with silicon carbide showing exceptional performance with high mechanical requirements.	Top-chem 2003 is a soft, but stable filled PTFE gasket material offering the best mechanical properties and excellent adaptability even at low surface loads.	Top-chem 2005 is a PTFE gasket with inorganic fillers which offers outstanding performance in acidic applications in the chemical industry.	Top-chem 2006, a PTFE-based gasket filled with Barium sulphate, offers resistance in strong alkaline applications and good mechanical properties.	Soft-chem is a multi-directional expanded PTFE, which combines excellent corrosion resistance and superior sealing capabilities.

BENEFITS

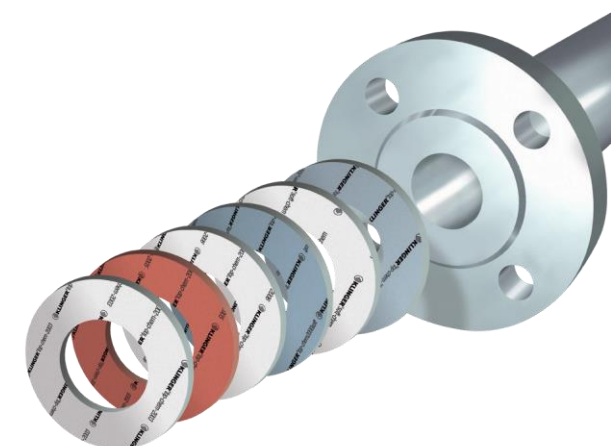
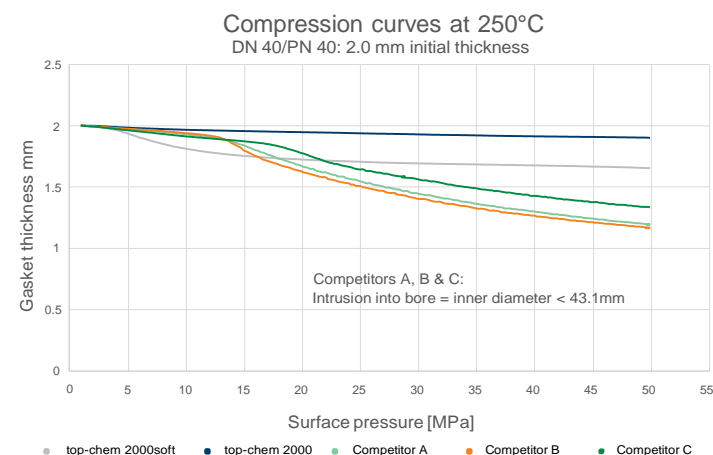
Easy Handling:

- No embrittlement
- High residual stress
- No aging reaction
- Long service life because of high stress retention
- Least creep in market at top-chem 2000
- Weldable
- No sticking on flanges

Broad application coverage:

- Temperature range from -200°C up to +260°C
- Excellent chemical resistance in strongly acidic and alkaline applications
- Used in the pharma industry, food industry, chemical industry, energy sector, in oxygen pipelines etc.

Leading mechanical stability



SERVICE

Perfect extension of KLINGER quality standards:

- Quality control and R&D lab
- Digital support
- Certifications

We are committed to meeting and exceeding the expectations of our customers.

We supply a gratifying experience with service and leading products including:

- Engineering support
- Product testing
- Support at proper gasket selection
- Training

APPROVALS

KLINGER products deliver proven user safety.

Our products are amongst the most approved and certified products within the industry. For more information please visit our website www.klinger.co.at.

- Fire-safe approval
- TA-Luft approval (clean-air)
- DVGW approval
- KTW approval
- FDA conformity
- DNV GL approval
- OXYGEN-tested
- WRAS approval
- DVGW W 270 approval



ONE GLOBAL NETWORK FOR TRUSTED PRODUCTS AND SERVICES