



# KLINGER® TOP-CHEM PTFE GASKET MATERIALS

For ultimate chemical resistance



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.

## KLINGER TOP-CHEM 2000



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.

### Areas of application:

Excellent resistance in strongly acidic and alkaline applications as well as to steam and oxygen. Suitable for an extremely wide range of applications in the chemical and petrochemical industry, as well as in the ship building industry for the transport of chemicals.

### Key features:

- » Mechanically stable
- » Resistant to creep and cold flow
- » Consistent material composition

## KLINGER TOP-CHEM 2003



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.

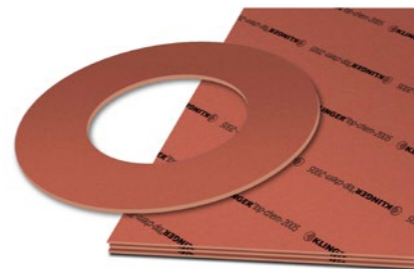
### Areas of application:

Excellent chemical resistance in strongly acidic and alkaline applications as well as very good properties at medium temperatures and loads.

### Key features:

- » High compressibility
- » Consistent material composition
- » Resistant to cold flow

## KLINGER TOP-CHEM 2005



TOP-CHEM 2005 is a PTFE gasket with inorganic fillers which offers outstanding performance in acidic applications in the chemical industry.

### Areas of application:

Suitable for a wide range of applications in the chemical industry. Economical alternative at the usage of filled PTFE gaskets.

### Key features:

- » Mainly for use in acids
- » Consistent material composition
- » Resistant to cold flow

## KLINGER TOP-CHEM 2006



TOP-CHEM 2006, a PTFE-based gasket filled with Barium sulphate, offers resistance in strong alkaline applications and good mechanical properties.

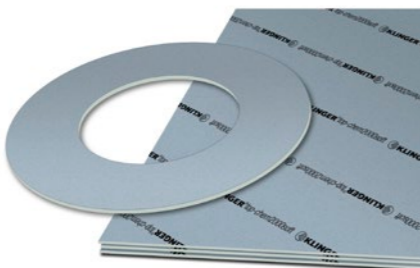
### Areas of application:

Suitable for a wide range of applications in the chemical industry. This gasket material is free from pigments.

### Key features:

- » Mainly for use in alkaline media
- » Consistent material composition
- » Resistant to cold flow

## KLINGER TOP-CHEM 2000SOFT



TOP-CHEM 2000soft is a porous PTFE sealing grade filled with silicon carbide showing exceptional performance with high mechanical requirements. KLINGER® TOP-CHEM 2000soft has a high conformability and is ideal for maintaining a tight seal even at low surface loads.

### Areas of application:

Superior chemical resistance in strongly acidic and alkaline applications. It shows exceptional performance in applications with high mechanical requirements at high temperatures.

### Key features:

- » High compressibility
- » Resistant to creep and cold flow
- » Mechanically stable
- » Consistent material composition

## KLINGER SOFT CHEM



Soft-chem is a multi-directional expanded PTFE, which combines excellent corrosion resistance and superior sealing capabilities.

### Areas of application:

Excellent corrosion resistance together with superior sealability create a high-grade gasket material for a wide field of applications in your plant.

### Key features:

- » Multi-directional expanded PTFE
- » Suitable for a wide range of applications



## BENEFITS

- » Easy handling
- » No embrittlement
- » No aging reaction
- » Weldable
- » No sticking on flanges

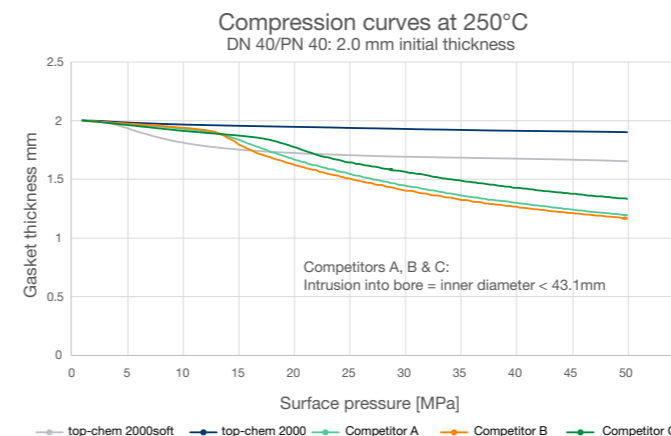
### Broad application coverage:

- » 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 with Top-Chem-2000

- » Long service life because of high stress retention
- » High residual stress
- » TOP-CHEM 2000 has the lowest creep on the market

### Leading mechanical stability



## ABOUT US

### Leaders in sealing, fluid control, and joint integrity services.

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.

Our UK manufacturing and distribution network is coordinated from our head office in Bradford, West Yorkshire, which holds extensive stocks of semi-metallic gaskets, metals and non-metallic sheeting materials and features cutting-edge robotic manufacturing equipment.

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

## 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.uk](http://www.klinger.co.uk)

- » 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



**Bradford Head Office**

Klinger Ltd.  
The Klinger Building  
Wharfedale Road  
Euroway Trading Estate  
Bradford BD4 6SG  
Tel: +44 (0) 1274 688 222  
Fax: +44 (0) 1274 688 549  
Email: sales@klingeruk.co.uk

**Projects**

The Klinger Building  
Wharfedale Road  
Euroway Trading Estate  
Bradford BD4 6SG  
Tel: +44 (0) 1274 688 222  
Fax: +44 (0) 1274 688 962  
Email: projects@klingeruk.co.uk

**Aberdeen**

Unit 31  
Wellheads Crescent  
Wellheads Industrial Estate  
Dyce, Aberdeen  
AB21 7GA  
Tel: +44 (0) 1224 772 962  
Fax: +44 (0) 1224 772 953  
Email: aberdeen@klingeruk.co.uk

**Immingham**

Unit 2  
Manby Road Industrial Estate  
Immingham  
North East Lincolnshire  
DN40 2LH  
Tel: +44 (0) 8449 676 778  
Fax: +44 (0) 8449 676 779  
Email: immingham@klingeruk.co.uk

**Grangemouth**

Unit A  
Block 2  
West Mains Industrial Estate  
Grangemouth FK3 8YE  
Tel: +44 (0) 1324 472 231  
Fax: +44 (0) 1324 482 111  
Email: grangemouth@klingeruk.co.uk  
acorn@klingeruk.co.uk

**International**

The Klinger Building  
Wharfedale Road  
Euroway Trading Estate  
Bradford BD4 6SG  
Tel: +44 (0) 1274 688 222  
Fax: +44 (0) 1274 688 962  
Email: international@klingeruk.co.uk

**Runcorn**

Unit 21  
Dewar Court  
Astmoor Industrial Estate  
Runcorn, Cheshire  
WA7 1PT  
Tel: +44 (0) 1928 577 030  
Fax: +44 (0) 1928 575 223  
Email: runcorn@klingeruk.co.uk

**Southampton**

Unit 16  
Parham Drive  
Boyatt Wood  
Eastleigh, Hampshire  
SO50 4NU  
Tel: +44 (0) 2380 611 855  
Fax: +44 (0) 2380 610 360  
Email: southampton@klingeruk.co.uk

**Middlesbrough**

Klinger Unit  
Drake Court  
Britannia Park  
Middlesbrough TS2 1RS  
Tel: +44 (0) 1642 220 289  
Fax: +44 (0) 1642 220 290  
Email: boro@klingeruk.co.uk  
hadleys@klingeruk.co.uk

**Projects USA**

KLINGER Thermoseal  
3803 South Sam Houston Parkway W.  
Houston, TX 77053  
Tel: 1-713-997-8111  
Email: projectsus@klingerprojects.com