AG Egliswil

KLINGER AG Egliswil
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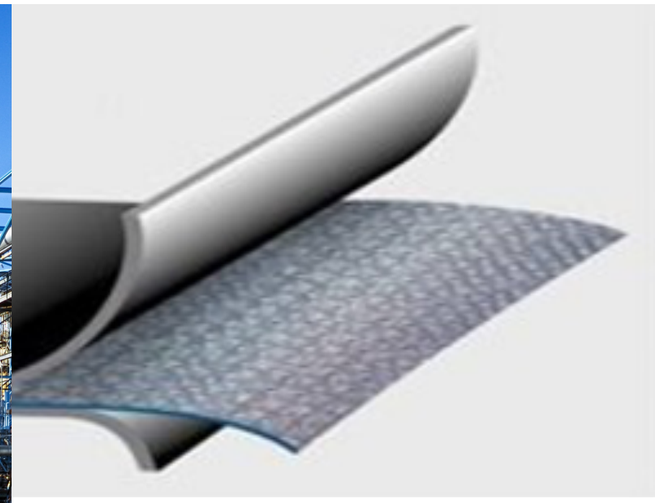
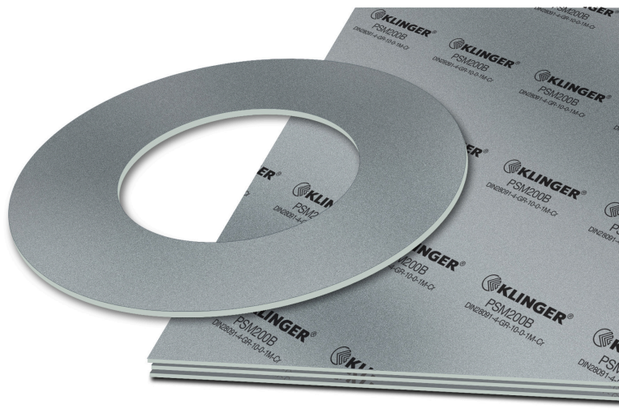
KLINGER®
GRAPHITE





KLINGER Switzerland

KLINGER

LEADING IN STATIC SEALING SOLUTIONS

We are the industries preferred partner for the production and development of high quality soft sealing materials.

We offer a wide range of CNAF, PTFE, Graphite, Mica and Rubber coated steel materials for sealing applications.

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

Our technical support combines unsurpassed material know-how with world class application expertise.

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

ABOUT US

KLINGER Egliswil

Your Expert for High-Temperature Gasket Laminates.

KLINGER AG Egliswil, was established in 1980 as competence center for high temperature gasket materials made of flexible graphite and mica, as well as for rubber coated steel.

KLINGER Graphite material is produced with more than 35 years expertise. Our own produced graphite material is by 100% natural graphite and performing with superior seal ability.

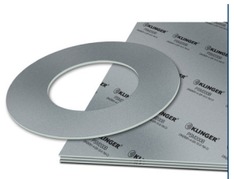
PRODUCTS/ INDUSTRIES

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.

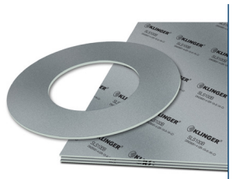
Fully committed to this approach, our gaskets ensure reliable and safe operation – without leakages and subsequent harm or material damage.

KLINGER® Graphite laminates

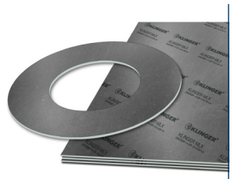
Gaskets on the basis of graphite are suitable for temperatures between -200 °C and up to 460 °C, and offer resistance against a broad range of chemicals. Equipped with an anti-stick finish specifically developed for this purpose, KLINGER graphite-based gasket materials are easy to remove from the flange – even after exposure to elevated temperatures.



KLINGER PSM is terial laminated with tanged stainless steel 316 insert. PSM/AS is finished with an anti-stick finish developed to aid removal from the flange even after use at elevated temperatures.



KLINGER SLS is a laminated graphite material with a stainless steel 316 foil insert to aid handling. SLS is finished with an anti-stick coating.



KLINGER MLX is multi layered bounded by a proprietary technology without use of adhesive. Impregnation for minimized leakage. Anti-Scratch and Anti-Stick surface coating for better handling.

SPECIAL GRAPHITE LAMINATES of graphite either glued on plain steel or rolled out on a tang insert. The laminates are treated to keep the excellent properties.

KLINGER supplies the broadest portfolio of graphite laminates in the industry with over 200 proven laminates. This is built based on over 35 years experience with customer needs for MRO and OE applications.

Coatings	Foil Grades	Inserts			
Anti-Stick Polymer PSA with release paper	High Purity (Nuclear) Standard & Economy High Temperature Other customer request	Flat Perforated Stretch	Thickness - 0,1 - 0,05	Singles Multi layer (1-7..)	Metallic Non-Metallic

Different product characteristics addressing different customer needs

Customer needs:
- Imperfect and sensitive flange conditions
- Easy handling
- High pressure challenges
- Minimized Leakage
- Cost pressure

Addressing the needs:
- Range of gasket thicknesses
- Leading range of insert types and multiple layers
- Anti-Stick, PSA (pressure sensitive adhesive)
- Thickness, graphite grade selection
- Economy grades

All our processes, equipment and products are developed in-house

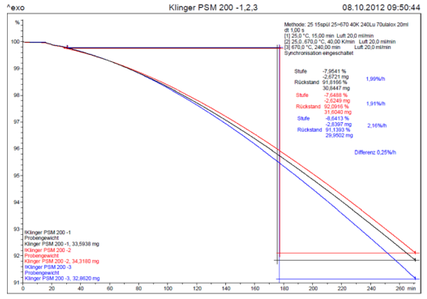
BENEFITS

- 100% natural graphite
- No binders or fillers
- Non-toxic
- Safe surface coating
- Consistent high quality
- Technical support
- Flexible lead times
- Process inspection
- Superior seal ability
- Low creep relaxation
- Compressible & conformable
- From cryogenic to 450°C

The KLINGER Graphite have proven to be performing the leading resistance at oxidation behavior.

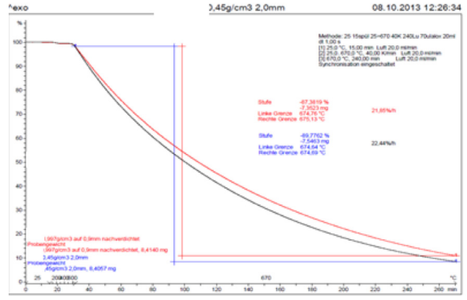
Oxidation Test with PSM 200 B:

3 runs:
- Very limited variation (1,99% / 1,91% / 2,16%).
- Good resistance confirmed – passed DIN 28091-4



A competitive supplier:

2 runs:
- A material with a poor resistance to oxidation (21,85% / 22,44%).



The competitive product is showing to be loosing weight 10 times higher than KLINGER PSM 200 B.

SERVICE

Perfect extension of KLINGER quality standards:

- Quality control and R&D labs
- 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. Our materials are in service in critical applications under harsh conditions. They withstand extreme temperatures and temperature cycles, high pressures, and aggressive media – for years.

APPROVALS

KLINGER products deliver proven user safety.

Our products are amongst the most approved and certified products within the industry such as:

- DNV GL
- DVGW
- KTW
- BAM conform
- TA-Luft
- Fire safe

We deliver certified and trusted products worldwide and KLINGER AG is EN ISO 9001, ISO 14001 certified.

ONE GLOBAL NETWORK FOR TRUSTED PRODUCTS AND SERVICES