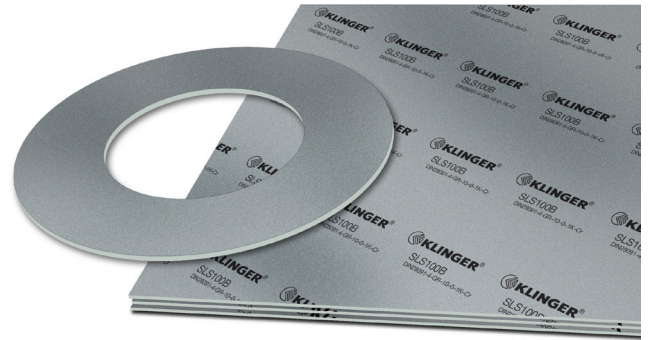


KLINGER® Graphite Laminate SLS - the pure graphite gasket with smooth stainless steel insert.

Combining pure exfoliated graphite with stainless steel foil reinforcement, this gasket material promises improved cutting and handling. Thanks to its graphite-based conformability characteristics, it is suitable for low bolt-load and damaged flange scenarios. Resistant to virtually any type of medium, it is also temperature-resistant (up to 450°C) and highly compressible.



| | |
|--------------------------|---|
| Basis composition | Expanded graphite and a plain glued stainless steel insert. |
| Color | Grey |
| Certificates | Fire Safe acc. to DIN EN ISO 10497, BAM tested |

Sheet size 1000 x 1000 mm, 2000 x 1000 mm
Per request also available as roll.

Thickness 0.6 mm, 0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm

Tolerances

Thickness: ± 5 %
Length: ± 5 mm
Width: ± 5 mm

Industry

General industry / Chemical / Oil & Gas / Energy / Pulp & Paper / Marine / Automotive

TECHNICAL DATA - Typical values for a thickness of 2.0 mm

| | | | |
|--|-----------------------------|-------------------|--------------|
| Density of the graphite layer | DIN 28090-2 | g/cm ³ | 1.0 |
| Purity of graphite ¹⁾ | DIN 51903 | % | ≥ 99.0 |
| Metallic reinforcement | Plain metal | | AISI 316 (L) |
| | Thickness | mm | 0.05 |
| | Number of sheets | | 1 |
| Compressibility | ASTM F36 A | % | 35 - 50 |
| Recovery | ASTM F36 A | % | 10 - 15 |
| Compression creep DIN 52913 | 16 h/ 50 MPa/ 300°C | MPa | ≥ 45 |
| Klinger cold/hot compression 50 MPa | Thickness decrease at 23°C | % | 40 - 50 |
| | Thickness decrease at 300°C | % | 1 - 4 |
| Specific leak rate | DIN 28090-2 | mg/s x m | < 0.10 |
| Chloride content of graphite layer ²⁾ | DIN 28090-2 | ppm | ≤ 40 |

1) High purity graphite quality of ≥99.8 available on request

2) Detailed specifications of the used graphite foils are found in our Graphite vade mecum, which will be sent to you on request with pleasure

