



KLINGERgraphite-foils, sheets, laminate SLS

Tests and permits:

DIN-DVGW-permit no.
 NG-5124AT0417,
 BAM checked according to UVV28,
 Oxygen (VBG62) up to 130 bar and
 200 °C even for use with liquid oxygen,
 WRc-approval.

Anti-stick finish:

The foils and sheets indicated at the right-hand side are available with KLINGERantistick (A/S) a finish which keeps its stability even at high temperatures and causes no organic contaminations of the pure graphite.

* In case of supply shortfall also 1.4404 may be delivered.

Technical data

Stress relaxation DIN 52913	MPa	> 48
Tightness ASTM F 37 B (Fuel A)	ml/h	0.5
Tightness according to DIN 3535	ml/min	0.6
Total content of chloride and fluoride	ppm	≤ 200
Water-soluble share of chloride	ppm	< 40
Purity of graphite	%	98
Purity of graphite for nuclear application	%	99.8
Total content of chloride and fluoride	ppm	≤ 100
Water-soluble share of chloride	ppm	≤ 20

KLINGERantistick (A/S) on request

KLINGERgraphite foil H

Thicknesses: 0.25/ 0.38/ 0.50/ 0.63/ 0.76/ 1.00 mm

Roles: width 1 m, max. length 90 m

KLINGERgraphite sheets HL without reinforcement

Thicknesses: 1.5/ 2.0/ 3.0 mm

Sheets: 1,000 x 1,000 mm

KLINGERgraphite-laminate SLS with 1.4401* reinforcement, thickness 0.05 mm

Several reinforcement layers on request, for higher stiffness.

Thicknesses: 0.45/ 0.6/ 0.8/ 1.0/ 1.5/ 2.0/ 3.0 mm

Sheets: 1,000 x 1,000 mm

Material on roles: Thickness 0.45 - 1.0 mm

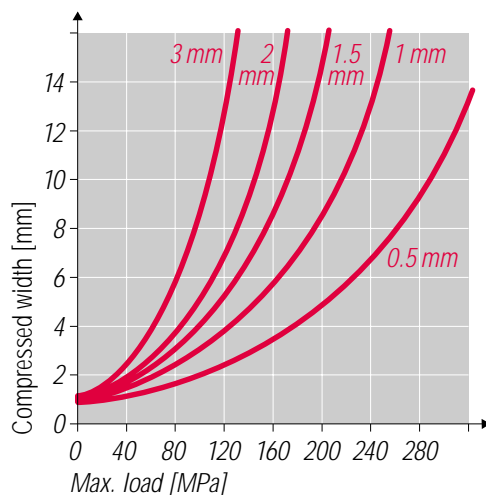
Sheets: 1,500 x 1,500 mm in thickness 1.5/ 3.0 mm

KLINGERgraphite foil self-adhesive

Thicknesses of graphite foil: 0.38/ 0.50/ 0.70 mm

Roles: width 1 m, max. length 90 m

Max. load diagram (MPa) as a function of the compressed width for KLINGERgraphite-laminate SLS with reinforcement of 1.4401/ thickness 0.05 mm. (Typical values)



Load diagram of KLINGERgraphite-laminate SLS with reinforcement, thickness 0.05 mm. Initial density 1.0 g/cm³, several initial thicknesses. (Typical values)

