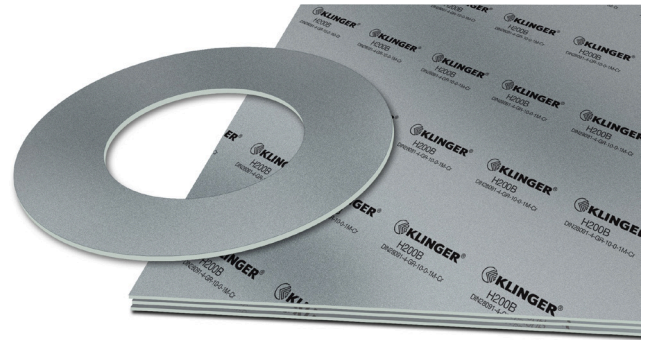


KLINGER®Flexible Graphite H - the flexible graphite standard.

H is the standard industrial grade graphite sheeting with superior chemical resistance. The flexible graphite material is highly compressible & compactable allowing for low gas permeability with low electrical resistance.

The grade is especially superior working with enamel surface as well as against strongly corrosive media.



Basis composition Flexible graphite foil

Color Grey

Certificates Per request

Sheet size 1000 x 1000 mm, 1500 x 1500 mm, 2000 x 1000 mm,

Per request also available as roll.

Thickness 0.75 mm, 1.0 mm, 2.0 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
Compressibility	ASTM F36 A	%	40 - 50
Recovery	ASTM F36 A	%	8 - 15
Stress relaxation DIN 52913	16 h/ 50 MPa/ 300°C	MPa	≥ 46
Klinger cold/hot compression 50 MPa	Thickness decrease at 23°C	%	40 - 50
	Thickness decrease at 300°C	%	1 - 3
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 with a purity of ≥99.8 with low sulphur and chloride levels available per 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

