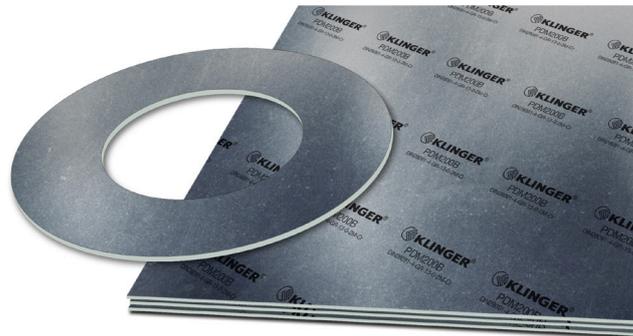




KLINGER® Graphite Laminate PDM - the more highly compressed pure graphite gasket with two rough sheet metal inserts.

Adhesive-free and manufactured from expanded graphite, this gasket material features two 0.1 mm thick tanged stainless steel inserts. Ideal for high-pressure, hot water and steam at temperatures up to 450 °C, this gasket material is free of resins, impregnations or other organic compounds. Furthermore, it displays stable physical properties across the entire temperature range.



Basis composition Expanded graphite with two 0.1 mm thick tanged stainless steel inserts.

Color Grey

Certificates Per Request

Sheet size 1000 x 1000 mm

Thickness 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	1.3
Purity of graphite ¹⁾	DIN 51903	%	≥ 99.0
Metallic reinforcement	Tanged metal	mm	AISI 316 (L)
	Thickness	mm	0.10
	Number of sheets	mm	2
Compressibility	ASTM F36 A	%	15 - 25
Recovery	ASTM F36 A	%	35 - 45
Compression creep DIN 52913	16 h/ 50 MPa/ 300°C	MPa	≥ 48
Klinger cold/hot compression 50 MPa	Thickness decrease at 23°C	%	15 - 25
	Thickness decrease at 300°C	%	1 - 3
Specific leak rate λ	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

