



KLINGER® Graphite Laminate TSM fulfils safely the TA-Luft requirements.

An adhesive-free gasket material comprising impregnated graphite and an 0.1 mm tanged stainless steel insert, KLINGER® Graphite Laminate TSM fully retains its physical properties at high temperatures (up to 450 °C). It is fully compliant with the German Technical Instructions on Air Quality Control (TA Luft).



Basis composition Impregnated flexible graphite foil and a tanged stainless steel insert.

Color Grey

Certificates TA-Luft (Clean Air), BAM

Sheet size 1000 x 1000 mm

Thickness 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	DIN 51903	%	> 99%
Metallic reinforcement	Tanged metal		AISI 316 (L)
	Thickness	mm	0.1
	Number of sheets		1
Compressibility	ASTM F36 A	%	35 - 45
Recovery	ASTM F36 A	%	15 -25
Compression creep DIN 52913	16 h/ 50 MPa/ 300°C	MPa	≥ 45

