

Technical specification

KLINGERgraphite – laminate PSM

Description Suitable for temperatures up to approx. 450°C, in an inert atmosphere (no admission of oxygen) even suitable for higher temperatures. Particularly suitable under high chemical and thermal loads. BAM approval in accordance with UVV 28, WRc approval.

Properties	Unit	Value	Test method
Density of graphite layer	g/cm ³	1	
Max. perm. Surface load at 450 °C	MPa	180	
Compressibility	%	33 – 38	ASTM F 36A
Recovery	%	13 – 18	ASTM F 36A
Stress relaxation, 50 MPa, 16h/300°C	MPa	Min. 48	DIN 52913
Klinger cold hot compression, surface load 50 MPa			
Thickness decrease at 23°C	%	40	
Thickness decrease at 300°C	%	1,5	
Tightness	ml/min	0,8	DIN 3535 part 6
Chloride content of graphite layer	ppm	Max 40	
Thickness	Mm	1,5	

This specification is given by our best knowledge and might be submitted to changes.