

KLINGER®, Graphite Laminate HL

KLINGER® Graphite Laminate HL is a homogeneous sheet made from flexible graphite foil layers. The HL material is the standard industrial grade graphite sheeting with superior chemical resistance, is highly compressible and compact allowing for low gas permeability with low electrical resistance.

TECHNICAL DATA SHEET

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	Grey
Composition	Homogeneous sheet made from flexible graphite foil layers		
Density of Graphite Layer	DIN28090-2	g/cm ³	1.0
Purity of Graphite	DIN 51903	%	≥ 99.0
Compressibility	ASTM F36A	%	40 - 50
Recovery	ASTM F36A	%	8 - 15
Creep Relaxation 16h/50 MPa/300°C	DIN 52913	MPa	≥ 46
KLINGER Cold/Hot Compression 50 MPa			
Thickness Decrease 23°C	--	%	35 - 50
Thickness Decrease 300°C		%	2 - 5
Specific Leak Rate	DIN 28090-2	mg/s x m	< 0.10
Chloride Content of Graphite Layer	DIN 28090-2	ppm	≤ 50