



KLINGER®, Graphite Laminate MLX (Multi Layer XTREME)

KLINGER® Graphite MLX Multi Layer XTREME is a high performance material with several plain stainless steel foil inserts. This material is suitable in heavy duty conditions due to its very high compressive strength, making it an excellent choice for high pressure applications.

TECHNICAL DATA SHEET

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	Grey
Continuous Service Temperature (ion oxidizing atmosphere)	--	°F (°C)	≤ 842 (450)
Density of Graphite Layer	DIN 28090-2	%	1.1 ± 5
Purity of Graphite	DIN 51903	% carbon	≥ 99.0
Metallic Reinforcement Insert (0.05mm): 316(L)			1.0 mm: 1 layer 1.5 mm: 2 layers 2.0 mm: 3 layers 3.0 mm: 5 layers 4.0 mm: 7 layers
Compressibility	ASTM F36A	%	30 - 50
Recovery	ASTM F36A	%	10 - 25
Creep Relaxation 16h/50 MPa/300°C	DIN 52913	MPa	≥ 45
Thermogravimetric analysis (TGA) 4h/670°C	DIN 28090-2	%/h	≤ 3
Certificates	Fire Safe acc. to API 6FB		