

Quality: Tialit-G

Cast tialite (porous)

Optical	Colour		ivory
Chemical	Al ₂ O ₃	%	> 70
	TiO ₂	%	< 30
Physical	Melting point	°C	> 1700
	Open pores	Vol. %	18
	Raw density	g / cm ³	3
	Crystal size	µm	5 - 25
Thermal	Maximum working temperature	°C	1600
	Expansion at 100 °C / 500 °C / 1000 °C	%	0,058 / 0,313 / 0,630
	Thermal conductivity from 0 - 1500 °C	W / (m / °C)	Ø 2,8
	Thermal diffusivity from 0 - 1500 °C	m ₂ / s	Ø 1,0
	Thermal shock resistance <u>Is not suitable for inductive heating!</u>		Satisfactory
Mechanical	Hardness (Mohs)		6 - 7
	Flexural strength (at room temperature)	MPa	38,5
	Modulus of elasticity	GPa	22,3

All data given are to be regarded as guide values!