



Spinel

PROPERTIES		MASS UNIT	SP-30-G
CERAMIC TYPE	Colour Type according to DIN VDE 0335		white
CHEMICAL	Al ₂ O ₃ (70%) MgO (30%)	Weight %	
PHYSIKALISCH	Melting point	°C	2130
	open pores	Vol. %	0
	Technical density	g/cm ³	3,5
	Theoretical density	g/cm ³	3,6
	Crystal size	µm	5
THERMAL	Expansion coefficient linear (20 - 1.000°C)	10 ⁻⁶ • °C ⁻¹	7,5
	Max. Working temperature	°C	1700
	Thermal conductivity at 100°C	W • m ⁻¹ • °C ⁻¹	12 -14
	<u>Thermal Shock Resistance</u> <u>Is not suitable for inductive heating</u> <u>medium</u>		<i>good</i>
MECHANICAL	Hardness (Mohs)		7,5
ELECTRICAL	Electrical resistance		
	at 20°C	Ohm • cm	10 ¹⁴
	at 500°C	Ohm • cm	10 ⁷
	at 1.000°C	Ohm • cm	10 ⁵
	at 1.500°C	Ohm • cm	10 ⁵

All data given are to be regarded as guidelines.