



SIALON

Composition

Beta SiAlON	100%
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Physical Properties

Bulk Density	Open Porosity	Flextural Strength		Compressive Strength
		20°C	1000°C	
3.24 g/cm ³	0%	760 Mpa	560 Mpa	>3500 Mpa
202 #/ft ³	0%	110 ksi	81 ksi	>510 ksi

Thermal Properties

Conductivity 20°C	Expansion Coefficient 20-1000°C	Max Use Temperature (no load)
21 W/m K	3x10 ⁻⁶ /°C	1200°C
146 BTU.in/ft ² .hr°F	1.7x10 ⁻⁶ /°F	2192°F

These values represent typical properties of standard materials. They should be used only for comparison and should not be used as a warranty.