



Product Name :	Aptasinit
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Maximum Service Temperature			
oxidising atmosphere	°C		1550

Apparent Density	g/cm ³		2,85
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Apparent Porosity	%		7,2
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Modulus of Rupture 3-Point Test			
at 20 °C	N/mm ²		190
at 1300 °C	N/mm ²		170

Modulus of Elasticity	GPa		220
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Thermal Expansion	at 1000 °C	x 10 ⁻⁶ K ⁻¹	4,5
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Thermal Conductivity	at 20 °C	W / m K	45
	at 200 °C	W / m K	42
	at 1200 °C	W / m K	19
	at 1400 °C	W / m K	17

Specific Heat Coefficient	at 200 °C	J / g K	0,98
	at 1200 °C	J / g K	1,30
	at 1400 °C	J / g K	1,33

Chemical Composition :			
	SiC	%	68
	Si ₃ N ₄	%	27
	Oxides	%	5

All data are typical values, determined on test specimens. They are subject to reasonable variations in the common production process.

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