

CALSIC NB Nitride Bonded Silicon Carbide Typical Physical Properties

Physical Property	Units	Typical Value
Density	g/cc	2.60-2.72
Modulus of Rupture	MPa	65
Apparent Porosity	%	13 - 16
Max use Temperature (dependent on atmosphere)	°C	1525
Coefficient of Thermal Expansion 20-1000°C	$1 \times 10^{-6}/^{\circ}\text{C}$	4.9
Thermal Conductivity	W/mK	18

All properties are at room temperature (20°C) unless otherwise stated.