



Sinter Grade Boron Carbide B4C

You are welcomed to come to our factory to buy the latest selling, low price, and high-quality Nextgen Sinter Grade Boron Carbide B4C. Sinter Grade Boron Carbide Powder is specially sized to aid in the manufacturing of sintered ceramic parts.Nextgen Advanced Materials suppliesSinter Grade Boron Carbide Powder with high quality and fast delivery. The customization is also available.

Product Description

You can rest assured to buy customized Nextgen Sinter Grade Boron Carbide B4C from us. Wide range of products, favored by customers all over the world. Among them, the European and American markets occupy a dominant position, which can reach more than 90%. Sinter Grade Boron Carbide Powders are specially sized to aid in the manufacturing of sintered ceramic parts. They are typically fine powders with an average particle size of fewer than 10 microns and a specially tailored size distribution.





Sinter Grade Boron Carbide B4C Specifications		
Properties	Units	Value
	Physical	
Chemical Formula	_	B4C
Density, r	g/cm3	2.51
Color	_	black or dark gray
Crystal Structure	_	hexagonal
Water Absorption	% @R.T.	ng
Hardness	Vickers @ R.T. (GPa)	36

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Nextgen Advanced Materials INC www.nexgematerials.com Hardness knoop (kg/mm2) ng Mechanical Compressive Strength GPa @ R.T. 2.9 155 Tensile Strength MPa@980bC Modulus of Elasticity 445 GPa@ R.T (Young's Mod.) Flexural Strength (MOR) 375 MPa @ R.T. Poisson's Ratio, u 0.19 @R.T. Fracture Toughness, KIc MPa x m1/2 ng **Thermal** Max. Use Temperature ٥С 2450 (* denotes inert atm.) Thermal Shock Resistance DT (°C) ng Thermal Conductivity W/m-K @ R.T. 28 Coefficient Thermal 10-6 K-1 (~25°C of Linear through 5.54 Expansion, al ±1000°C) J kg-1 K-1 @ R.T. 945 Specific Heat, cp Electrical Dielectric Constant 1MHz @ R.T. ng kV/mm Dielectric Strength ng Wcm @ R.T. Electrical Resistivity ng

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