

Boron Carbide B4C

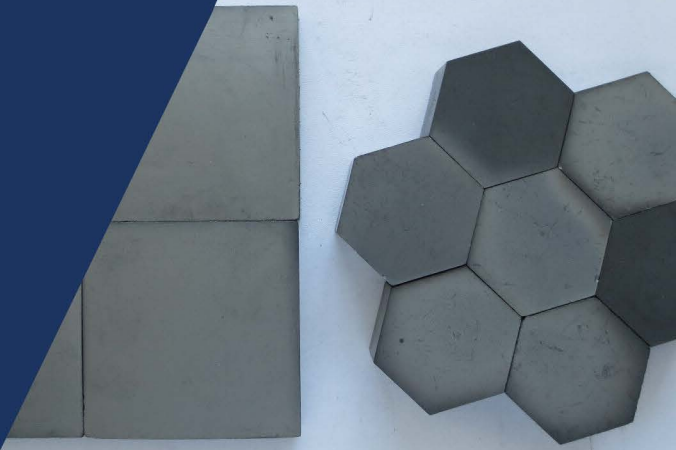
Exceeds or Meets Standard Industrial Specifications
Economical and Competitive Alternative for Saint-Gobain

Benefits

- Extremely High Hardness
- Low Density
- Chemical Inertness
- Nuclear Ability

Applications

- Abrasive Grit Blasting Nozzles
- Water Jet Cutters
- Wear Resistant Substance
- Neutron Absorber
- Metal Matrix Composites
- Anti-ballistic Plating



Boron Carbide B4C Products

Boron Carbide Plates

Boron Carbide Bulletproof Plates

Hot-Pressed Grade Boron Carbide Powders

Nuclear Grade Boron Carbide Powders

Sinter Grade Boron Carbide Powders

B4C/Al Neutron Absorber Materials



Boron Carbide B4C Bulletproof Plates



Compound Formula	B4C
Molecular Weight	55.26
Appearance	Black
Melting Point	2445 C
Density	2.1 to 2.7 g/cm3
Electrical Resistivity	0 to 11 10x Ω-m
Poisson's Ratio	0.17-0.18
Specific Heat	950 J/kg-K
Tensile Strength	350 MPa (Ultimate)
Thermal Conductivity	31 to 90 W/m-K
Thermal Expansion	4.5 to 5.6 μm/m-K



Advanced Ceramic Materials

23661 Birtcher Dr.

Lake Forest, CA 92630

Tel: (949) 407-8904

Fax: (949) 812-6690

Email: sales@preciseceramic.com

Website: www.preciseceramic.com