

### **Boron Carbide (B<sub>4</sub>C) Specification:**

<b>Index</b>	<b>Unit</b>	<b>Value</b>
<b>Density</b>	<b>g/cm<sup>3</sup></b>	<b>≥2.49</b>
<b>Mohs Hardness</b>	<b>H</b>	<b>9.36</b>
<b>Microscopic Hardness</b>	<b>kg/mm<sup>2</sup></b>	<b>5400-6300</b>
<b>Bending Strength</b>	<b>Mpa</b>	<b>400</b>
<b>Yang's Modulus E</b>	<b>Gpa</b>	<b>440</b>
<b>Melting Point</b>	<b>°C</b>	<b>2450</b>
<b>Boron Carbide Content</b>	<b>%</b>	<b>93-98</b>
<b>Boron Content</b>	<b>%</b>	<b>74-81</b>
<b>Carbon Content</b>	<b>%</b>	<b>16-24</b>
<b>Iron Content</b>	<b>%</b>	<b>≤0.20</b>