

<b>Product</b>	<b>BN99 boron nitride</b>	
<b>Appearance</b>	White	
<b>Boron Nitride Content</b>	>99%	
<b>Crystalline</b>	hexagonal	
<b>Mechanical Properties</b>	//	⊥
<b>Bending Strength MPa</b>	35	28
<b>Compressive Strength MPa</b>	85	72
<b>Young Modulus GPa</b>	21	70
<b>Density</b>	2.0 g/cm <sup>3</sup>	
<b>Porosity</b>	6.8%	
<b>Hardness ~Knoop</b>	11 kg/mm <sup>2</sup>	
<b>Thermal Conductivity</b>	40 W/mK	
<b>Thermal Expansion RT</b>	1.3 10 <sup>-6</sup> /K	0.7 10 <sup>-6</sup> /K
<b>Thermal Expansion 1000~1600K</b>	0.9 10 <sup>-6</sup> /K	0.6 10 <sup>-6</sup> /K
<b>Thermal Expansion 1600~1900K</b>	0.7 10 <sup>-6</sup> /K	0.7 10 <sup>-6</sup> /K
<b>Dielectric Constant</b>	4.0	
<b>Dielectric Strength</b>	79KV/mm	
<b>Electrical Resistance RT</b>	>10 <sup>14</sup> ohm cm	
<b>Chemical Composition</b>	Na <sub>2</sub> O 0.08% Al <sub>2</sub> O <sub>3</sub> 0.04% SiO <sub>2</sub> 0.03% CaO 0.48% BN 99.3%	