

<b>Product</b>	<b>TPBN boron nitride</b>	
<b>Appearance</b>	White	
<b>Boron Nitride Content</b>	>99.5% (O<0.2%)	
<b>Crystalline</b>	hexagonal	
<b>Mechanical Properties</b>	//	⊥
<b>Bending Strength MPa</b>	19	17
<b>Compressive Strength MPa</b>	62	49
<b>Young Modulus GPa</b>	20	55
<b>Density</b>	1.6 g/cm <sup>3</sup>	
<b>Porosity</b>	~25%	
<b>Hardness ~Knoop</b>	11 kg/mm <sup>2</sup>	
<b>Thermal Conductivity</b>	30 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 0.01% Al <sub>2</sub> O <sub>3</sub> 0.005% SiO <sub>2</sub> 0.01% CaO 0.02% BN 99.9%	