

**General Properties**

<b>Crystalline Phase</b>	Hexagonal BN
<b>Binder Phase / Binder Type</b>	Calcium Borate
<b>Colour</b>	White
<b>Typical Applications</b>	Outstanding Moisture Resistance, Refractory, Dielectric Strength
<b>Directionality</b>	Parallel / Perpendicular

**Mechanical Properties**

<b>Flexural Strength</b>	59 / 45
<b>Young Modulus</b>	40 / 60
<b>RT Compression</b>	143 / 186
<b>Open Porosity</b>	N/A
<b>Density (g/cc mm<sup>2</sup>)</b>	2
<b>Hardness-Knoop (KG/mm<sup>2</sup>)</b>	16

**Thermal Properties**

<b>Thermal Conductivity @25°C W/mK</b>	27 / 29
<b>Coefficient Thermal Expansion (10<sup>-6</sup>)</b>	25 – 400°C 0.6 / 0.4 400 – 800°C 1.1 / 0.8 800 – 1200°C 1.5 / 0.9 1200 – 1600°C 2.8 / 2.7 1600 – 1900°C N/A
<b>Specific Heat @ 25°C J/gK</b>	8.60E-01
<b>Max Temperature @ Oxidising / Inert</b>	850°C / 1150°C

**Electrical Properties**

<b>Dielectric Constant @ 1 MHz</b>	4.3 / 4
<b>Dissipation Factor @ 1 MHz</b>	1.5-03 / 2.1E-03
<b>Dielectric Strength</b>	>10
<b>RT Resistivity (Ohm cm)</b>	>10 <sup>13</sup> >10 <sup>13</sup>