

### General Properties

Grade	Boron Nitride / Aluminium Nitride
Binder Phase / Binder Type	N/A
Colour	Grey
Typical Applications	Extreme High Thermal Conductivity and Flexural Strength Comparable with Alumina
Directionality	Parallel / Perpendicular

### Mechanical Properties

Flexural Strength	250
Young Modulus	N/A
RT Compression	N/A
Open Porosity	0
Density (g/cc mm <sup>2</sup> )	2.85
HL Hardness	650

### Thermal Properties

Thermal Conductivity @20°C W/mK	85
Coefficient Thermal Expansion (10 <sup>-6</sup> )	25 – 1200°C 2.5 -3.0
Specific Heat @ 25°C J/gK	1.5
Max Temperature @ Oxidising / Inert	900 / 2100°C +

### Electrical Properties

Dielectric Constant @ 1 MHz	N/A
Dissipation Factor @ 1 MHz	N/A
Dielectric Strength	N/A
RT Resistivity (Ohm cm)	1013