

Product	Pyrolytic boron nitride	
Appearance	White/light yellow	
Boron Nitride Content	99.99%	
Crystalline	hexagonal	
Physical Properties	Along crystal plane (a)	Perpendicular crystal plane (c)
Lattice Constant	2.5×10^{-10} m	6.8×10^{-10} m
Flexural Strength MPa	60	N.A.
Tensile Strength MPa	>80	N.A.
Density	2.1 g/cm ³	
Hardness ~Knoop	11 kg/mm ²	
Thermal Conductivity 200C	82 W/mK	2.6 W/mK
Thermal Conductivity 900C	55.3 W/mK	2.8 W/mK
Thermal Expansion RT	2×10^{-6} /K	15.5×10^{-6} /K
Dielectric Constant	5.2	3.8
Dielectric Strength	59KV/mm	
Electrical Resistance RT	$>10^{14}$ ohm cm	