



Pyrolytic Boron Nitride Sheet

With its high density and purity, Pyrolytic Boron Nitride is becoming a widely used material in vacuum processes. The CVD process gives this pyrolytic boron nitride an almost perfect layered structure, which leads to anisotropic thermal conductivity, making it an ideal material to make components for furnace & vacuum systems.Nextgen Advanced Materials supplies

Pyrolytic Boron Nitride Sheet and Plate with high quality and fast delivery. Customization is available too.

Product Description

You can rest assured to buy customized Nextgen Pyrolytic Boron Nitride Sheet from us. We exported our products to more than 30 countries with strong technical support, good quality and services. Pyrolytic Boron Nitride (PBN) Sheet and Plate and other pyrolytic boron nitride products are synthesized on the mold by chemical vapor deposition (CVD) process, with BCl3 and NH3 at high temperature and low pressure. PBN products are extremely pure, as the purity of gas material is easier to be controlled. Typically, PBN products have a total impurity of <100 ppm, which means the purity is no less than 99.99%. With such a high purity level, PBN Sheets/Plates are ideal products for semiconductor industries & vacuum systems.

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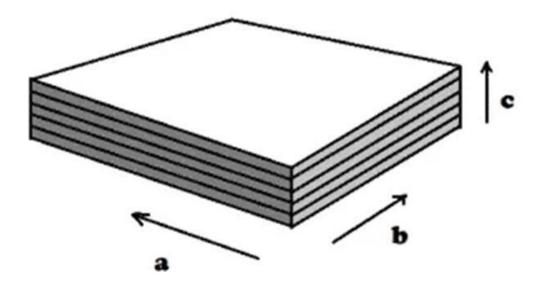
Pyrolytic Boron Nitride Specification						
Item	Unit	Value				

Tel: +86-818-9683600 E-mail: sales@nexgematerials.com



Nextgen Advanced Materials INC www.nexgematerials.com

TO BE THE BEST	vexigen Advar	iceu materiais	INC	www.nexgematenais.com
Lattice constant			a:2.504×10-10	
		μm	c:6.692×10-10	
Density		g/cm3	2.0-2.19	
Resistivity		Ω·cm	3.11×1011	
Tensile strength (ab)		N/mm2	153.86	
Bend strength	С	N/mm2	243.63	
	ab	N/mm2	197.76	
Elastic modulus		N/mm2	235690	
Thermo conductivity			"a" direction	"c" direction
	(200℃)	W/m·k	60	2.6
	(900℃)	W/m·k	43.7	2.8
Dielectric strength (at RT)	•	KV/mm	56	



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