



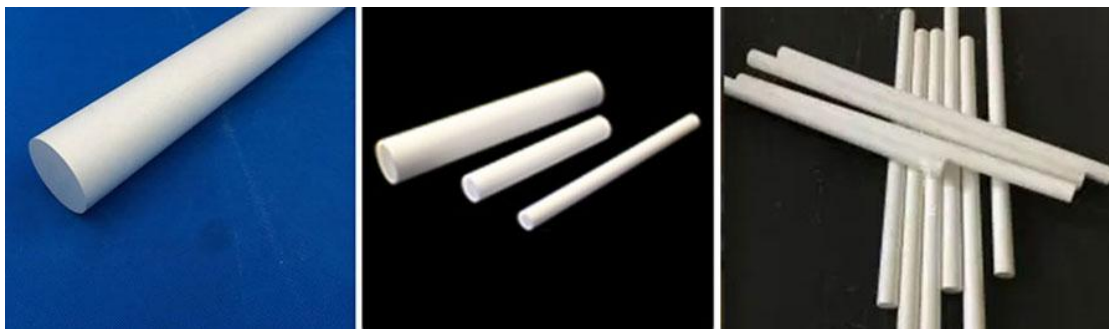
Boron Nitride Rod

The hexagonal boron nitride (HBN) corresponding to graphite is the softest and most stable form among BN polymorphs, and is therefore used as a lubricant and an additive to cosmetic products. Nextgen Advanced Materials supplies Boron Nitride Rod with high quality and fast delivery. Customization is available too.

Product Description

As the professional manufacture, we would like to provide you high quality Nextgen Boron Nitride Rod. It is a growing company that is constantly striving to improve its quality. We would like to work with you on a long-term basis. Boron nitride, or BN, is a chemical compound with equal numbers of boron and nitrogen atoms.

The hexagonal boron nitride (HBN) corresponding to graphite is the softest and most stable form among BN polymorphs, and is therefore used as a lubricant and an additive to cosmetic products. The cubic (CBN) variety analogous to diamond has a high hardness which is inferior only to diamond. The rare wurtzite BN (WBN) modification is similar to lonsdaleite, and it may even be harder than CBN. It is an ideal material for making the Boron Nitride Rod.



Boron Nitride Rod Available Materials

Material	Description	Availability
BN99	Hot pressed at high temperature (1900°C).	Machinable Blanks
	Excellent corrosion resistance and thermal conductivity. Limited wear resistance	Finished Parts
	Self-bonded and high purity(>99%)	
BNBO	General purpose material	Finished Parts

	Bonded by boric oxide	
BNCB	Calcium borate bonded boron nitride	Finished Parts
	Enhanced moisture resistance	
BN60	BN 60%, SiO ₂ 40%	Finished Parts
BN40	BN 40%, SiO ₂ 60%	Finished Parts
ZSBN	BN-45%, Zr ₂ O ₃ 45%	Finished Parts

Boron Nitride Rod Properties

Compound Formula	BN
Molecular Weight	24.82
Appearance	White
Melting Point	2973°C
Density	2.1 g/cm ³ (h-BN); 3.45 g/cm ³ (c-BN)
Solubility in H ₂ O	Insoluble
Refractive Index	1.8 (h-BN); 2.1 (c-BN)
Electrical Resistivity	13 to 15 10 ^x Ω-m