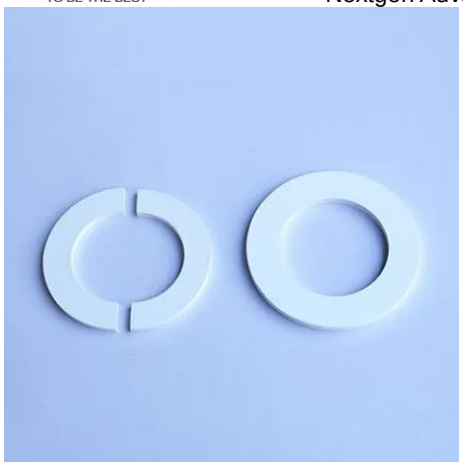


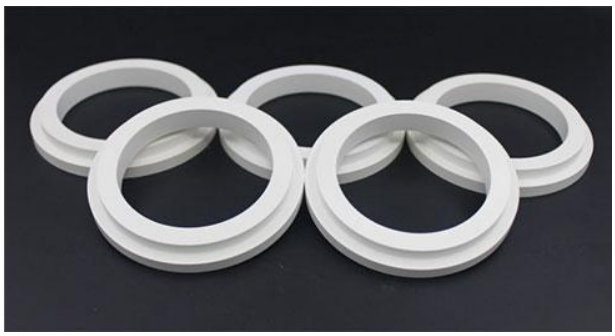
Boron Nitride Gasket and Seal

Boron Nitride Gasket and seal are formed of boron nitride (BN) — a compound with equal numbers of boron and nitrogen atoms. Nextgen Advanced Materials provides our customers with high-quality hexagonal boron nitride ceramic gaskets, washers, and seals at a fast delivery time. Customization is available too.

Product Description

As the professional manufacture, we would like to provide you Nextgen Boron Nitride Gasket and Seal. The company has always been oriented by customer demand and respect for talents, constantly improve their strength, improve service level and quality. Boron Nitride Gasket and Seal is made of boron nitride (BN) — a chemical compound with equal numbers of boron and nitrogen atoms.

The hexagonal form (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.



Boron Nitride Gasket/Seal Available Materials

Material	Description	Availability
BN99	Hot pressed at high temperature (1900℃).	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 Enhanced moisture resistance	Finished Parts
BN60	BN 60%, SiO2 40%	Finished Parts
BN40	BN 40%, SiO2 60%	Finished Parts
ZSBN	BN-45%, Zr2O3 45%	Finished Parts

Boron Nitride Gasket/Seal Properties

Compound Formula	BN
Molecular Weight	24.82
Appearance	White
Melting Point	2973°C
Density	2.1 g/cm3(h-BN); 3.45 g/cm3(c-BN)
Solubility in H2O	Insoluble
Refractive Index	1.8 (h-BN); 2.1 (c-BN)
Electrical Resistivity	13 to 15 10x Ω-m