



Boron Nitride Powder

BN is also referred to as white graphite. Boron nitride powder is a non-abrasive, white powder with a hexagonal platy crystal structure similar to graphite, but with a much higher oxidation resistance at 800°C. Nextgen Advanced Materials supplies Boron nitride powder with high quality and fast delivery. Customization is available too.

Product Description

As the professional manufacture, we would like to provide you Nextgen Boron Nitride Powder. Continuous satisfaction of the needs of consumers is the basis for the survival of an enterprise, and products quality is the life of an enterprise. Boron nitride powder is an advanced boron nitride ceramic material available in solid and powder forms. BN powder has high heat capacity, outstanding thermal conductivity, easy machinability, lubricity, low dielectric constant and superior dielectric strength. These properties make boron nitride powder a truly outstanding ceramic material and can be used in high-temperature environments.

BN is also referred to as white graphite. Boron nitride powder is a non-abrasive, white powder with a hexagonal platy crystal structure similar to graphite, but with a much higher oxidation resistance at 800°C. Boron nitride ceramic powder has high thermal conductivity, low coefficient of friction, high dielectric constant and are chemically inert. Due to those unique properties, it is used in a broad range of applications ranging from electronics, aerospace, oil and gas, ceramic manufacturing and cosmetics.



Boron Nitride Powder Specification

CAS#: 10043-11-5, Not Hazardous			
Powder, F.W. 24.82			
Item No.	Description	Purity	Lot Size
NI05-98	Boron Nitride Powder	BN > 98 %,	100 kg
	Particle Size: 3 μ m, 200 mesh or 325mesh	B ₂ O ₃ < 0.6%,	1000kg
		Ca < 0.015%,	Customize
		Si < 0.12%	
NI05-99	Boron Nitride Powder	BN > 99 %,	100 kg
	Particle Size: 3 μ m, 200 mesh or 325mesh	B ₂ O ₃ < 0.4%,	1000kg
		Ca < 0.01%,	Customize
		Si < 0.10%	

Boron Nitride Powder Properties

Item	Parameter
Compound Formula	BN
Molecular Weight	24.82
Appearance	White
Melting Point	2973 °C
Boron Nitride 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