

Specification Sheet

Cubic Boron Nitride Nanoparticles

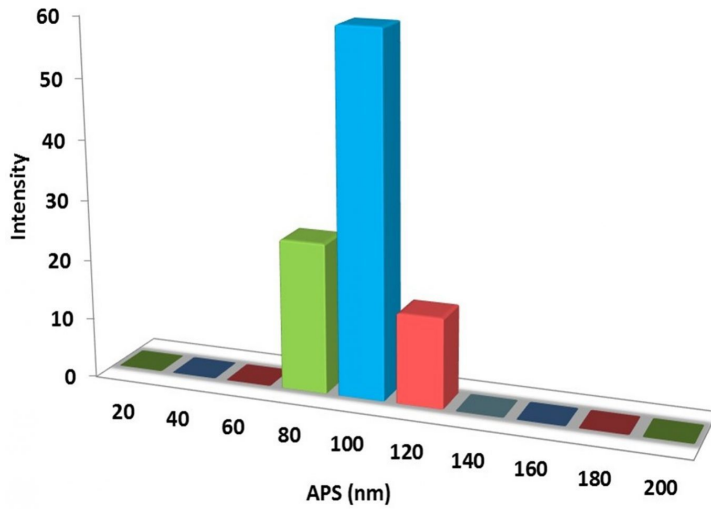
(CBN, Purity: 99%, APS: 80-100nm)

Stock No: NS6130-02-214, CAS: 7740-42-8

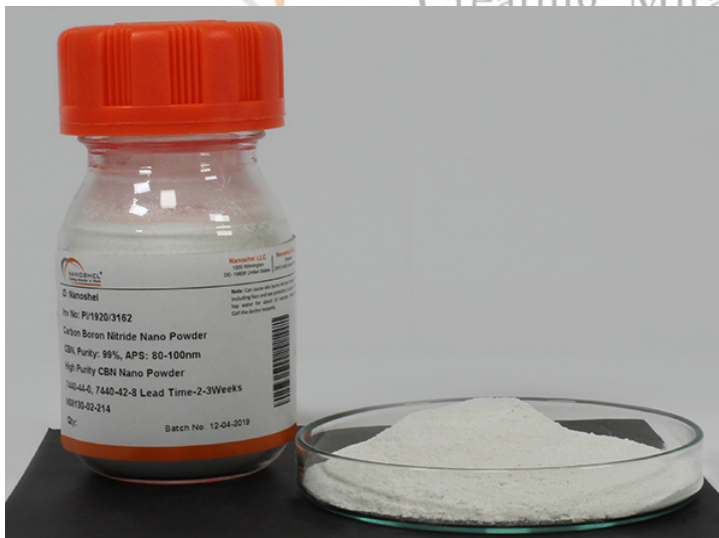
Product	:	Cubic Boron Nitride Nanoparticles
Stock No.	:	NS6130-02-214
CAS	:	7740-42-8
APS	:	80-100nm
Purity	:	99%
Molecular Formula	:	BN
Molecular Weight	:	24.82 g/mol
Form	:	Powder
Morphology	:	Cubic
Color	:	White
Density	:	2.29 g/cm ³
Melting Point	:	2527 °C
Electrical Resistivity	:	13 to 15 10x Ω-m
Poisson's Ratio	:	0.11
Specific Heat	:	840 to 1610 J/kg-K
Thermal Conductivity	:	29 to 96 W/m-K
Thermal Expansion	:	0.54 to 18 μm/m-K
Young's Modulus	:	14 to 60 GPa
Solubility	:	Insoluble in water
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

Characterization of Cubic Boron Nitride Nanoparticles



Particles Size Analysis - CBN Nanoparticles



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