



Technical Data Sheet

ACS Material Hexagonal Boron Nitride (h-BN) Powder

Table of Contents

[1 – Product Information](#)

[2 – Characterizations](#)

[3 – Application Fields](#)

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1. Product Information

Product Name:		Hexagonal Boron Nitride (h-BN) Powder		
Type:	Type A	Type B	Type C	
BET Surface Area:	~15m ² /g	~8-12m ² /g	~3-10m ² /g	
Chemical Formula:	BN			
Density:	~2.28 g/cm ³			
Particle Size D50:	2-3 μm	~3 μm	~10 μm	
Color:	White			
Crystal Structure:	Hexagonal			
Water Absorption:	0.0-1.0 % @ RT			

2. Characterizations

Composition	Content (%)	
	Specification (Theoretical value)	Product assay value
BN	99.0 min	99.1
B ₂ O ₃	--	0.18
Free B	--	0.16
NaO ₃	<0.1	0.07
Fe ₂ O ₃	<0.07	0.05
CaO	<0.07	0.055
MgO	<0.01	0.006
Al ₂ O ₃	<0.05	0.01
TiO ₂	<0.005	0.001

3. Application Fields

- 1) Lubricant
- 2) High Temperature Insulator
- 3) Thermal Conductive Filler
- 4) Cosmetics

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