

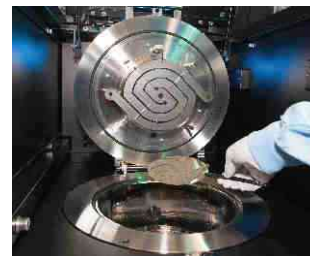
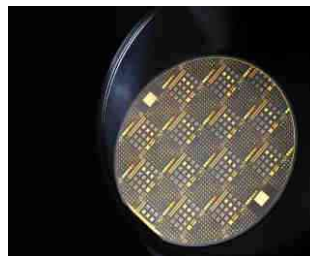


GlobalTop Technology Inc.
Applied Materials BU



Aluminum Nitride BF Series

Product Datasheet





BF Series

Aluminum Nitride Powder

BF SERIES : Standard Grade, No Surface Coating

BF series ALN powder is our standard grade. It's high purity, with low iron (Fe) content (less than 700 ppm). It has sharp size distribution and available in variety of particle sizes for different applications.

The BF grade is without any surface treatment, and therefore has to be use with care, and contact with air or water should be avoided.

Features

- Low iron (<700 ppm) and other metal impurities
- Sharp size distribution
- Diversity in size (2 μm - 80 μm)
- Customization supported

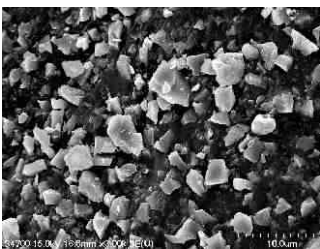
Product Selector

Part Number	Size Distribution (unit : μm)			ICP Analysis (Unit: ppm)				O (%)
	D10	D50	D90	Ca	Fe	Si	Pb	
AIN020BF	1	2	4	<100	<700	<200	<10	
AIN050BF	2.5	5	10	<100	<700	<200	<10	
AIN100BF	4.5	10	25	<100	<700	<200	<10	
AIN200BF	6	20	60	<100	<700	<200	<10	
AIN300BF	9	30	82	<100	<700	<200	<10	
AIN500BF	Available on request							
AIN800BF	Available on request							

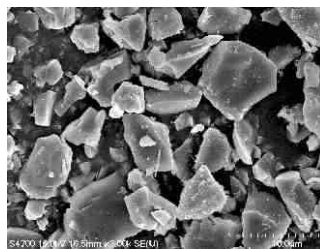
Applications

- Thermal filler for Thermal grease, pad, tape, PCM, etc.
- Thermal filler for dielectrics of FCCL, MCPCB
- Thermal additives for EMC (Epoxy Molding Compound)
- TCP filler for LED bulb heat sink

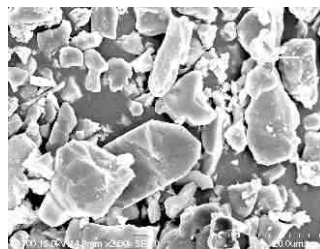
2 μm AIN SEM (X3000)



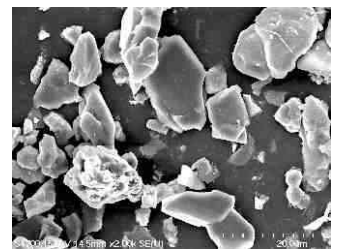
5 μm AIN SEM (X3000)



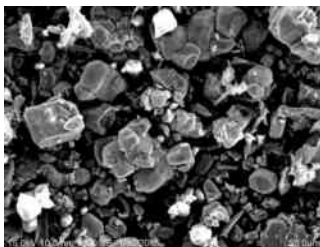
10 μm AIN SEM (X2000)



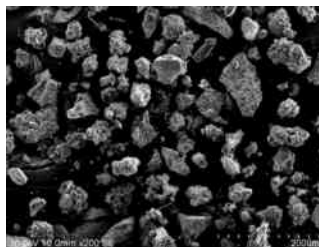
20 μm AIN SEM (X2000)



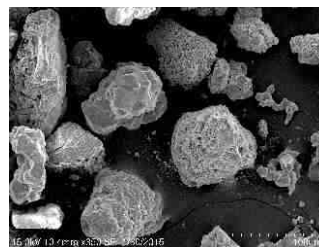
30 μm AIN SEM (X800)

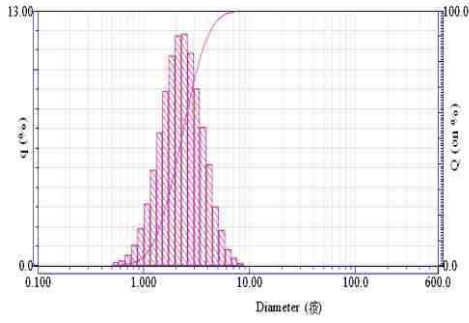
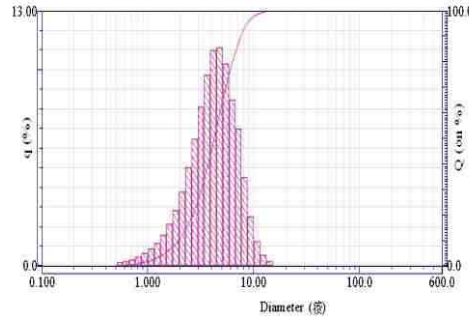
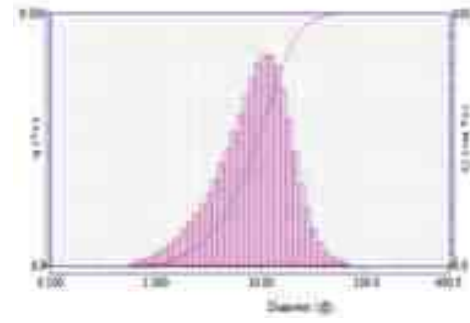
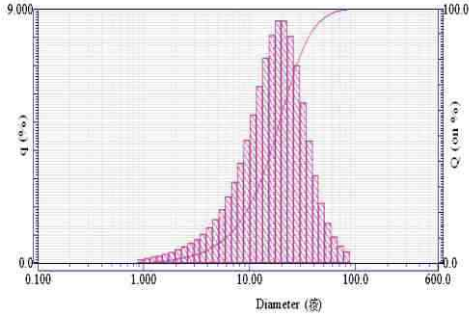
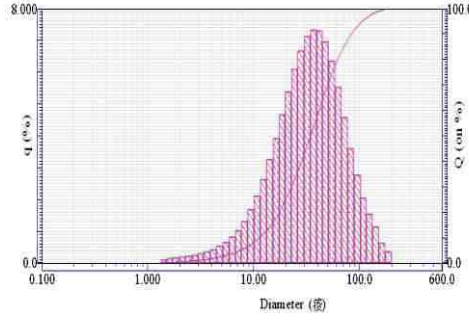
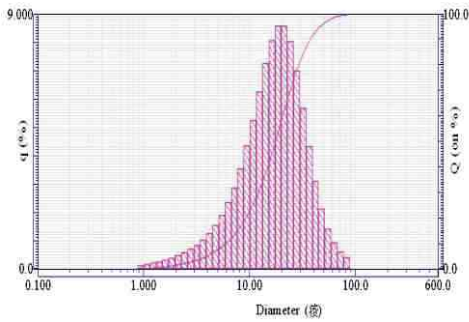
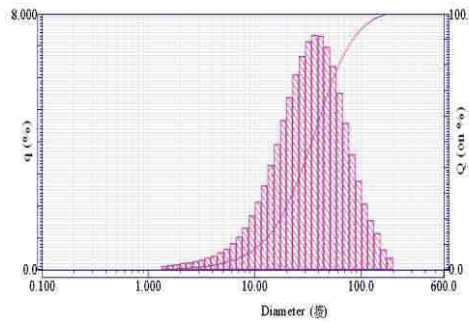
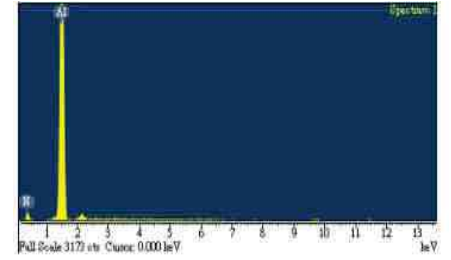


50 μm AIN SEM (X200)

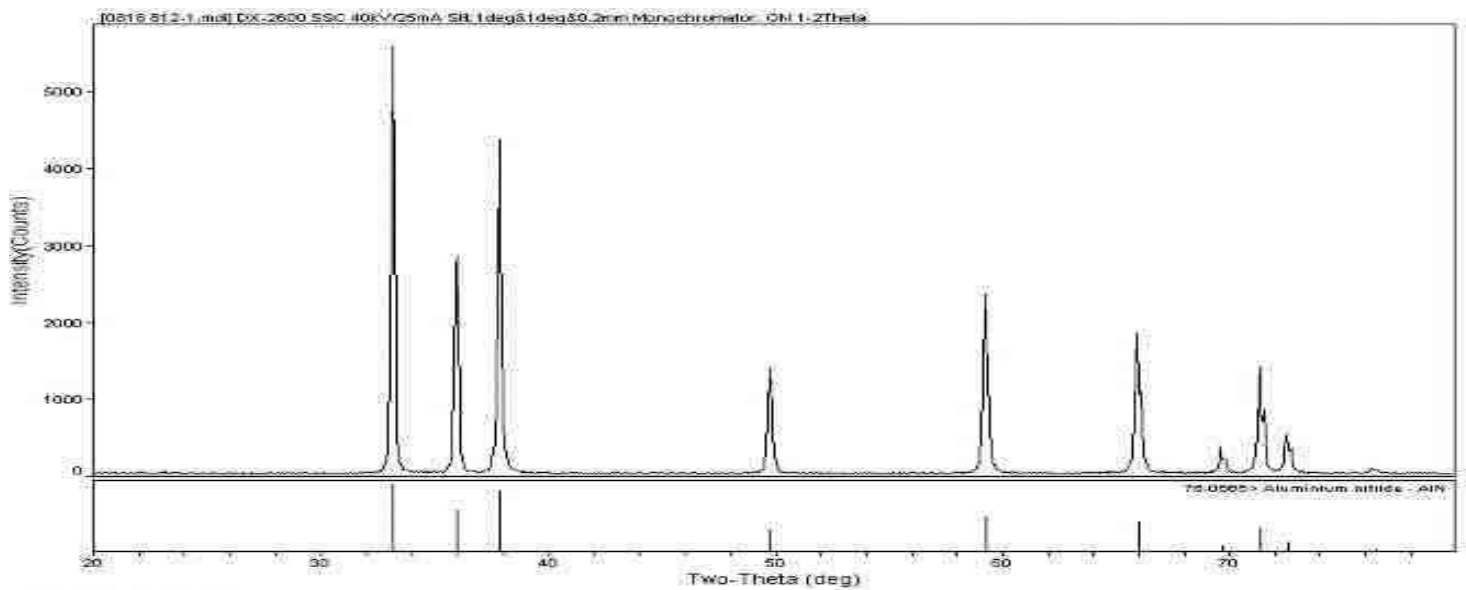


80 μm AIN SEM (X300)



2 μ m**5 μ m****10 μ m****20 μ m****30 μ m****50 μ m****80 μ m****EDS Analysis**

Element	Weight %	Atomic %
Nitrogen	34.84	50.73
Aluminum	65.16	49.27
Total	100.00	

XRD Analysis

GlobalTop Technology Inc.
No. 16, Nan-Ke 9th Road,
Science-based Industrial Park,
Tainan 741, Taiwan

Tel : +886-6-5051268
Fax : +886-6-5053381

materials@gtop-tech.com
www.gtop-tech-materials.com

