

## Spherical Alumina Powder

### ➤ Specification

BAK-10

### ➤ Product Features

Excellent chemical stability, high dielectric resistance, excellent thermal conductivity, high spheroidization ratio, high filler loading ratio with low comparison viscosity, low ionic impurities.

### ➤ Application

For thermal conductive interface material such as thermal pad, thermal gel, thermal conductive plastic, thermal conductive ceramic substrate, Thermal spraying.

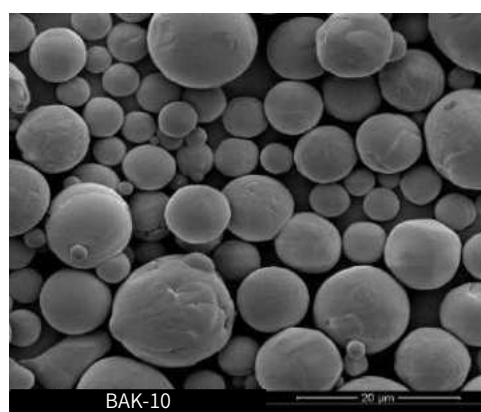
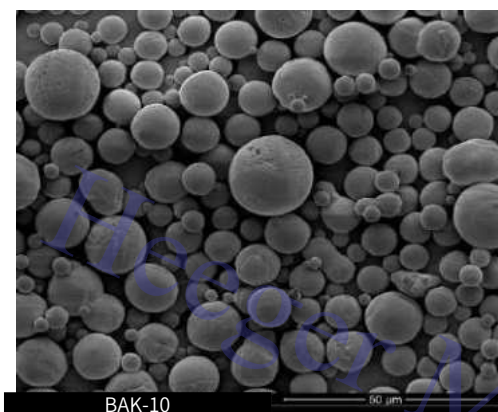
### ➤ Typical Properties

Item		Unit	Typical Value	Method/Device
Particle Size	(D <sub>10</sub> )	μm	4.16	Light Scattering/OMEC LS-POP(6)
	(D <sub>50</sub> )	μm	9.97	
	(D <sub>90</sub> )	μm	18.54	
Particle Size	(D <sub>10</sub> )	μm	4.55	Light Scattering/Bettersizer 2600(Wet)
	(D <sub>50</sub> )	μm	9.96	
	(D <sub>90</sub> )	μm	19.83	
Particle Size	(D <sub>10</sub> )	μm	6.12	Light Scattering/HORIBA LA-950v2
	(D <sub>50</sub> )	μm	10.21	
	(D <sub>90</sub> )	μm	15.88	
S.S.A.		m <sup>2</sup> /g	0.17	BSD-BET-400 /Specific Surface Area Analyzer
Electrical Conductivity		μS/cm	4.05	Mettler FE-38/ Conductivity Meter
pH		-	7.41	Mettler FE-28/ pH Meter
Moisture		%	0.03	HE53/ Halogen moisture meter
True Density		g/cm <sup>3</sup>	3.76	3H-2000TD1 /True Density Analyzer
Spheroidization		%	98	EM-30/ Coxem

➤ **Chemical Composition**

Item		Unit	Typical Value	Method/Device
Chemical Composition	Al <sub>2</sub> O <sub>3</sub>	%	99.90	1-Fe <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-SiO <sub>2</sub>
	SiO <sub>2</sub>	ppm	489	ICP
	Fe <sub>2</sub> O <sub>3</sub>	ppm	140	ICP
	Na <sub>2</sub> O	ppm	98	ICP

➤ **SEM Image**



➤ **Handling and Storage**

When using, wear a dust mask to prevent dust inhalation.

Keep the container sealed and stored in a cool, dry and well ventilated area.



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