

Spherical Alumina Powder

➤ **Specification**

HMBAK-70-120C

➤ **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.

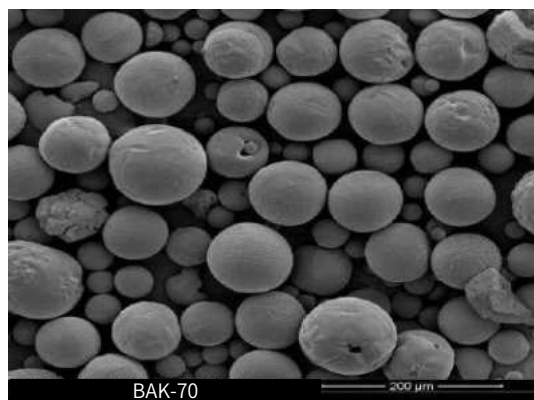
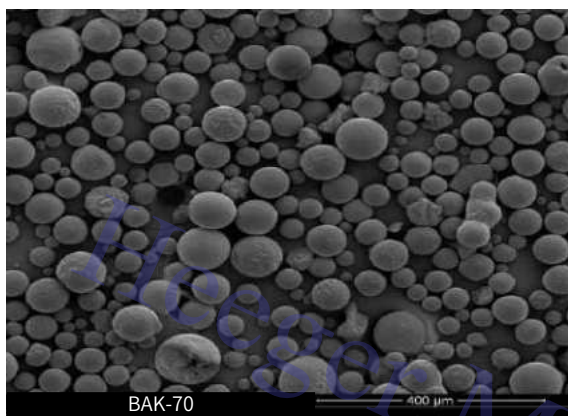
➤ **Typical Properties**

Item		Unit	Typical Value	Method/Device
Particle Size	(D ₁₀)	μm	42.74	Light Scattering/OMEC LS-POP(6)
	(D ₅₀)	μm	69.27	
	(D ₉₀)	μm	103.31	
Particle Size	(D ₁₀)	μm	50.90	Light Scattering/HORIBA LA-950v2
	(D ₅₀)	μm	75.30	
	(D ₉₀)	μm	106.27	
Particle Size	(D ₁₀)	μm	48.77	Light Scattering/Bettersizer 2600(Wet)
	(D ₅₀)	μm	76.21	
	(D ₉₀)	μm	110.4	
S.S.A.		m ² /g	0.06	BSD-BET-400 /Specific Surface Area Analyzer
Electrical Conductivity		μS/cm	6.18	Mettler FE-38/ Conductivity Meter
pH		-	7.42	Mettler FE-28/ pH Meter
Moisture		%	0.05	HE53/ Halogen moisture meter
True Density		g/cm ³	3.87	3H-2000TD1 /True Density Analyzer
Spheroidization		%	96	EM-30/ Coxem

➤ Chemical Composition

Item		Unit	Typical Value	Method/Device
Chemical Composition	Al ₂ O ₃	%	99.97	1-Fe ₂ O ₃ -Na ₂ O-SiO ₂
	SiO ₂	ppm	31	ICP
	Fe ₂ O ₃	ppm	71	ICP
	Na ₂ O	ppm	151	ICP

➤ SEM Image



➤ Typical Packaging

25Kg/(Bag)

Paper outer bag + PE inner bag

➤ Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status shall be re evaluated.

➤ 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.

➤ Contact Us

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