Surface Treated Alumina Powder

➢ Specification

HMBAH-40H4

➢ Product Features

High spheroidization ratio, high filler loading ratio, high thermal conductivity, low ionic impurities, high humidity&temperature resistance.

➢ Applicatio

For thermal interface material, such as thermal pad, thermal gel, or thermal gap filler...

➢ Typical Properties

Item		Unit	Typical Value	Method/Device
Particle Size	(D_{10})	μm	23.59	Light Scattering/OMEC LS-POP(6)
	(D_{50})	μm	41.8	
	(D_{90})	μm	70.2	
Particle Size	(D_{10})	μm	28.80	Light Scattering/HORIBA LA-950v2
	(D_{50})	μm	49.18	
	(D_{90})	μm	78.26	
S.S.A.		㎡/g	0.05	BSD-BET-400 /Specific Surface Area Analyzer
Electrical Conductivity		μS/㎝	1.72	Mettler FE-38/ Conductivity Meter
pH		-	7.00	Mettler FE-28/ pH Meter
Moisture		%	0.03	HE53/ Halogen moisture meter
True Density		g/cm³	3.77	3H-2000TD1 /True Density Analyzer
Spheroidization		%	96	EM-30/ Coxem

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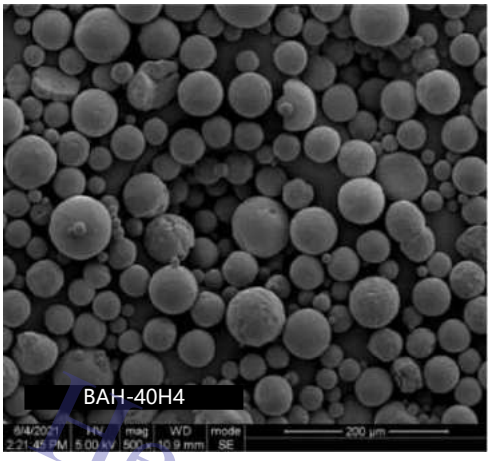
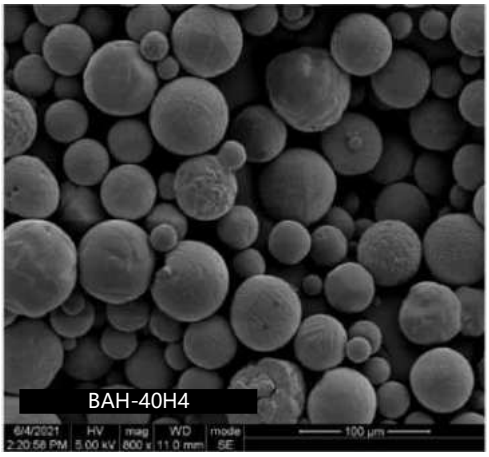
➢ Chemical Composition

Item		Unit	Typical Value	Method/Device
Chemical Composition	Al_2O_3	%	99.78	1-Fe_2O_3-Na_2O-SiO_2-Loss
	SiO_2	ppm	397	ICP

	Fe_2O_3	ppm	141	ICP
	Na_2O	ppm	162	ICP
	Loss	%	0.15	850℃/2h

- **SEM Image**





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- **Typical Packaging**

  25Kg/Bag

  Paper outer bag + PE inner bag

- **Period of Validity**

  It is recommended to use this product within 6 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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