

Hard Carbon Anode Powder for Sodium-Ion Batteries

Document ID: TDS-BSHC-300 | Document type: Product Technical Datasheet

1. Product Identification

Field	Information
Product name	Hard Carbon Anode Powder for Sodium-Ion Batteries
SKU / product family	BSHC-300
Product category	Sodium-ion anode active material
Material / chemistry	Hard carbon
Supplier reference	https://item.taobao.com/item.htm?id=814344224962
Document type	Product Technical Datasheet

2. Product Description

Hard Carbon Anode Powder for Sodium-Ion Batteries (BSHC-300) is an active material intended for laboratory-scale sodium-ion battery research, materials evaluation, electrode formulation, and cell validation. Supplier-derived values are presented for product selection reference. Confirm the current batch specification, exact composition, and available documentation before purchase or use.

3. Technical Data

Technical values are supplier-derived reference values and may vary by batch.

Property	Unit	Supplier specification	Source
Particle size D10	um	3.0 +/- 1.5	Supplier table
Particle size D50	um	6.0 +/- 1.5	Supplier table
Particle size D90	um	10.0 +/- 3.5	Supplier table
Moisture	%	<= 0.25	Supplier table
Fixed carbon content	%	>= 99.0	Supplier table
Tap density	g/cm3	>= 0.75	Supplier table
Specific surface area	m2/g	<= 5.0	Supplier table
Sodium storage capacity	mAh/g	295 +/- 10	Supplier table
Initial efficiency	%	>= 87.0	Supplier table

4. Available Configurations

SKU	Configuration / Pack Format
BSHC-300	20 g, 100 g, 1,000 g

5. Intended Applications

- Sodium-ion battery material evaluation
- Laboratory electrode formulation and coating studies
- Half-cell or full-cell performance screening
- University and R&D laboratory-scale testing

6. Supplier Reference Figures

No supplier performance curve or micrograph was provided on the source listing; none is reproduced or inferred here.

7. Storage and Handling

Store in a clean, dry environment at room temperature unless otherwise specified by supplier documentation. Keep tightly sealed and away from moisture, contamination, direct sunlight, and incompatible chemicals.

8. Safety and Regulatory Information

This TDS is not a Safety Data Sheet. For SDS, hazard classification, exposure controls, transport, storage, handling, and disposal information, please contact FluxBatteryHub for available supplier documentation.

9. Notes and Disclaimer

Technical values are provided for product selection and research reference only. Typical, nominal, or reference values are not release specifications and are not current-batch COA results. Final specifications may vary by batch and should be confirmed with FluxBatteryHub before purchase, process validation, or regulated use.