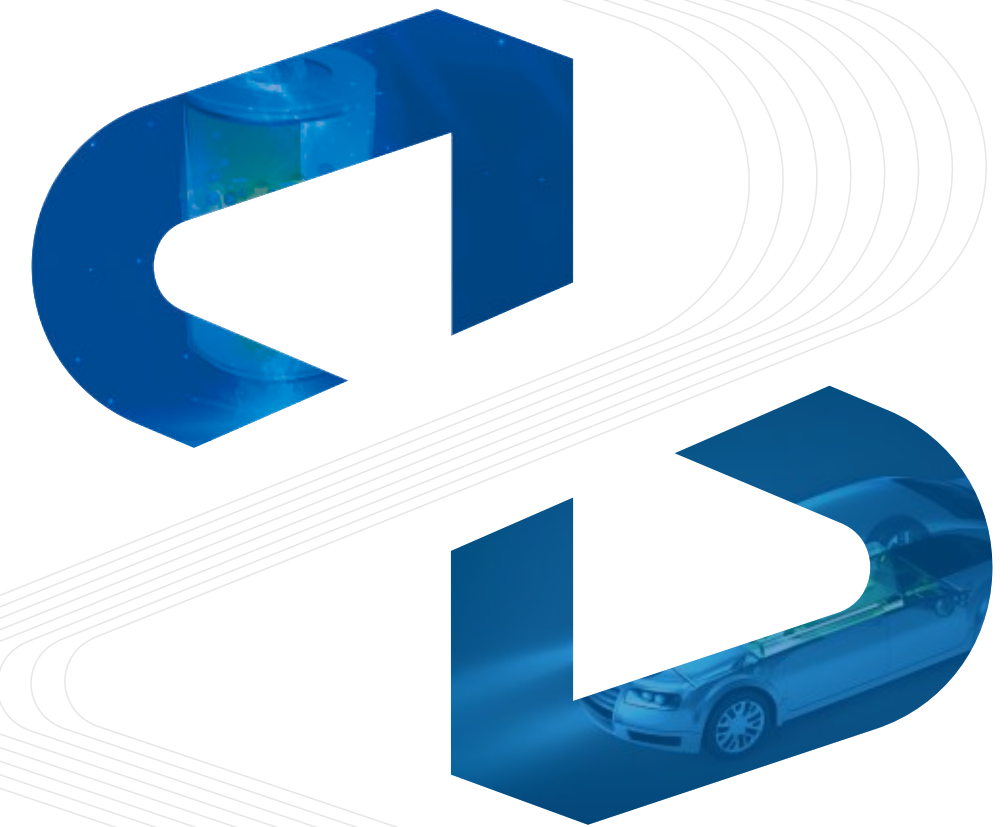


打破常硅 共碳未来

PIONEERING MATERIAL BREAKTHROUGHS FOR
NEXT-GENERATION BATTERIES



引领电池材料革新 赋能新能源产业高质量发展

Leading the innovation of battery materials
Driving the high-quality development of the new energy industry

www.bimtgloba.com

📍 地址：安徽省安庆市怀宁县工业园石牌大道3号

Add: No. 3 Shipai Avenue, Huaining County Industrial Park, Anqing City, Anhui Province

☎ 电话/TEL: 0556-8860668

✉ 邮箱/E-MAIL: Boundary@bimtgloba.com

为全球电池行业提供一流的应用解决方案

PROVIDING FIRST-CLASS APPLICATION SOLUTIONS FOR THE GLOBAL BATTERY INDUSTRY



SILICON-CARBON COMPOSITE ANODE MATERIALS 硅碳负极

开启硅碳负极电池时代 Starting silicon-carbon battery age

邦德锐纳米级硅碳负极作为新一代锂电池负极材料，可提供更高能量密度、更高首效、更长循环寿命，并能兼容电池各单元的工业设计和扩展，帮助您过渡到下一代电池。

As a new generation of lithium battery negative electrode material, BIMT's silicon-carbon composite anode materials can provide high energy density, high initial coulomb efficiency, long cycle life, and is compatible with various industrial design and expansion of battery units, helping you transition to the next generation of batteries.

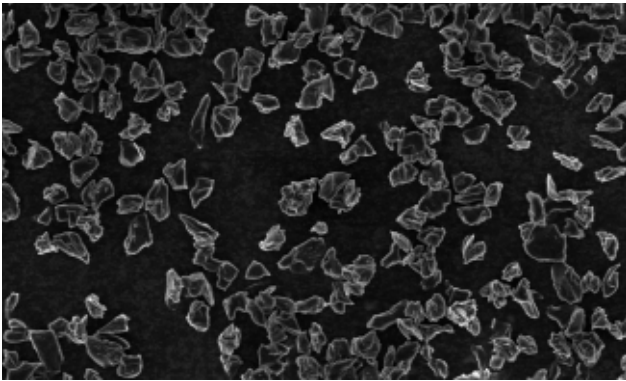


高性价比硅碳负极—AS系列 Cost effective silicon-carbon composite anode materials—AS series

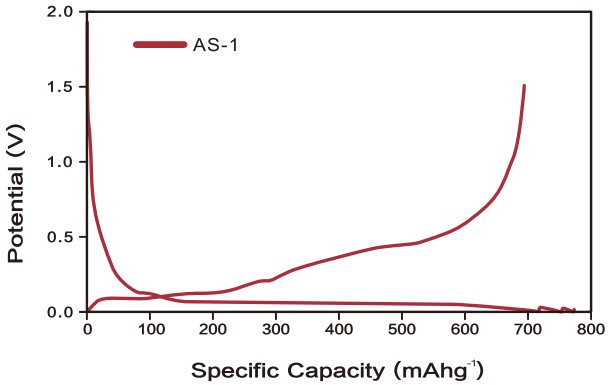
- ☒ 低膨胀 Low expansion rate
- ☒ 高性价比 Cost effective
- ☒ 长循环 Long cycle life

应用于消费电子、动力电池、无人机、电动工具等领域
Applied in fields such as consumer electronics, power batteries, drones, electric tools, etc

型号 MODEL	D50 (um)	比表面积/SSA (m²/g)	振实密度/TD (g/cm³)	首次容量 /capacity(mAh/g)	首次库伦效率 /ICE(%)
AS-1	8.9±1.5	≤2.5	≥0.95	≥680	≥89.5
AS-2	8.6±1.5	≤3	≥0.95	≥1400	≥89.5



AS-1 SEM图



AS-1 充放电曲线



SILICON-CARBON COMPOSITE ANODE MATERIALS 硅碳负极

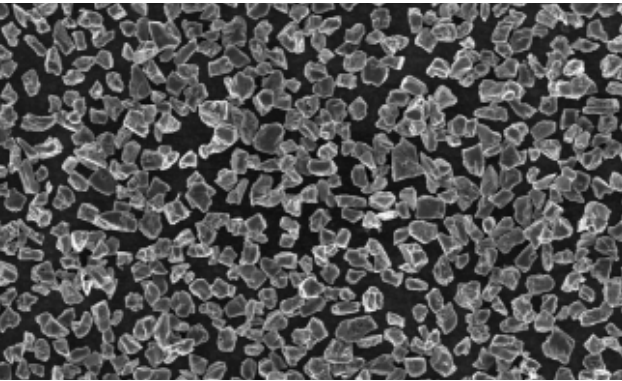
高容量硅碳负极—HS系列

High capacity silicon-carbon composite anode materials—HS series

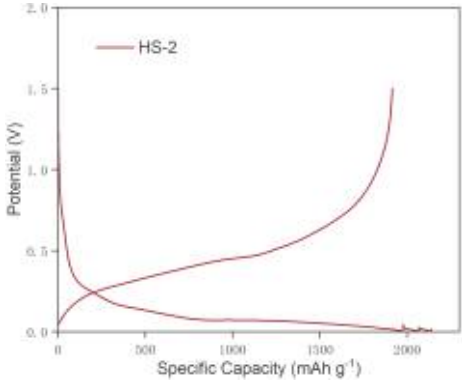
- ✓ 高容量 High capacity
- ✓ 长寿命 Long cycle life
- ✓ 低膨胀 Low expansion rate
- ✓ 高性价比 Cost effective

应用于消费电子、动力电池、无人机、电动工具等领域
Applied in fields such as consumer electronics, power batteries, drones, electric tools, etc

型号 MODEL	D50 (um)	比表面积/SSA (m²/g)	振实密度/TD (g/cm³)	首次容量 /capacity(mAh/g)	首次库伦效率 /ICE(%)
HS-2	7.5±1.0	≤5	≥0.95	≥1800	≥89.5



HS-2 SEM图



HS-2 充放电曲线



SILICON-CARBON COMPOSITE ANODE MATERIALS 硅碳负极

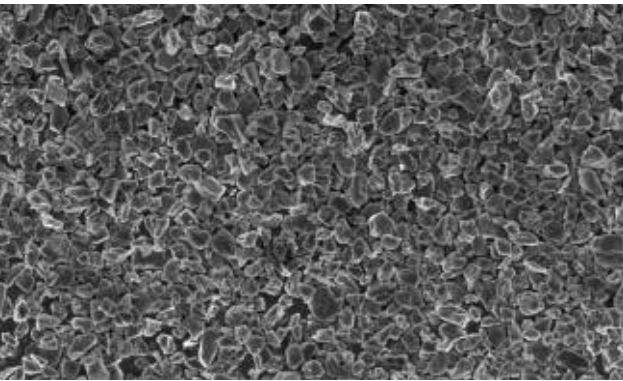
超高容量硅碳负极—US系列

Ultra-high capacity silicon-carbon composite anode materials—US series

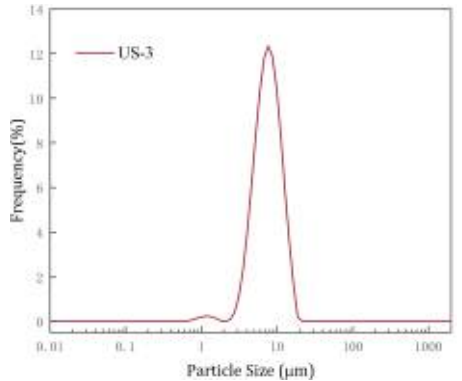
- ✓ 超高容量 Ultra-high capacity
- ✓ 低成本 Low-cost
- ✓ 高倍率 High rating performance
- ✓ 高稳定性 High stability

应用于消费电子、动力电池、无人机、电动工具等领域
Applied in fields such as consumer electronics, power batteries, drones, electric tools, etc

型号 MODEL	D50 (um)	比表面积/SSA (m²/g)	振实密度/TD (g/cm³)	首次容量 /capacity(mAh/g)	首次库伦效率 /ICE(%)
US-3	6.5±1.0	≤10	≥0.98	≥2500	≥89.5



US-3 SEM图



US-3 粒径分布图

NEW CONDUCTING AGENT

新型导电浆料

量身定制，适用于
不同正极体系及硅基负极

Applicable to different positive electrode systems and silicon-based anode materials

邦德锐新型导电浆料增加活性物质间的导电接触，实现快速充放电，大幅提升电导率，改善倍率性能，对热稳定性、能量密度、循环使用寿命等关键技术指标都有提升。

Bimt's new conductive agent achieves rapid charging and discharging by increasing the conductive contact between active substances, significantly improving conductivity and rate performance, and enhancing key technical indicators such as thermal stability, energy density, and cycle life.



HIGH-QUALITY(NMP)CARBON
NANOTUBE CONDUCTING AGENT
高品质(NMP)碳纳米管浆料



BIMT-A&B2系列

BIMT-A&B2 series

- ☒ 纯度高 High purity
- ☒ 流动性佳 Excellent flowability
- ☒ 导电性好 Excellent conductivity

A系列应用于高端/大倍率NCM、NCA、LCO、LMO、钠电池等

B2系列应用于NCM、LCO、LMO、三元掺锰等

A series applied to high-end/high-rate batteries: NCM, NCA , LCO , LMO, sodium-ion batteries.

B2 series applied to NCM, LCO, LMO, manganese-doped ternary materials.

产品型号	特色	导电碳含量 (%)	固含量 (±0.2%)	金属杂质	磁性物质 (Fe、Co Ni、Zn、Cr总和)	水份 (ppm)	粒径/D50 (um)
BIMT-A 系列	高纯/高导电性/钴系	2.80	4.10	Fe≤10 Co≤15 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3
	高纯/阵列	4.00	5.00	Fe≤20 Co≤5 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3
	高纯/缠绕	4.00	5.00	Fe≤15 Co≤30 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3
BIMT-B2 系列	常规款/铁、钴系	5.00	6.25	Fe≤150 Co≤50 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3
	常规款/钴系	5.00	6.25	Fe≤200 Co≤50 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3
	高纯/寡壁	2.56	3.20	Fe≤5 Co≤10 Cu≤5 Ni≤5 Zn≤5 Cr≤5	≤300PPb	≤1000	≤3



HIGH-QUALITY HYBRID CONDUCTING AGENT

高品质复合浆料



HIGH QUALITY SINGLE-WALL CNT CONDUCTING AGENTS

高品质单壁管浆料

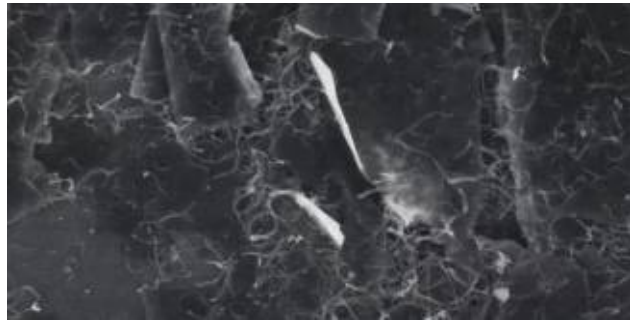
BIMT-C1&D10系列

BIMT-C1&D10 series

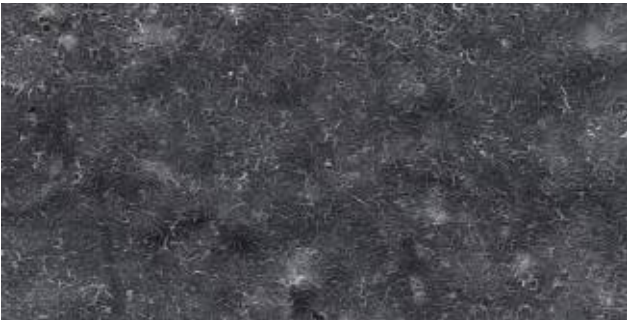
- ✓ 纯度高 High purity
- ✓ 导电性好 Excellent conductivity

- ✓ 金属杂质低 Low metal impurities
- 应用于LFP、储能、钴酸锂等
Applied to/suitable for LFP, energy storage systems, lithium cobalt oxide.

产品型号	特色	导电碳含量 (%)	固含量 (±0.2%)	金属杂质	磁性物质 (Fe、Co Ni、Zn、Cr总和)	水份 (ppm)	粒径/D50 (um)
BIMT-C1 系列	常规款/钴系	5.00	6.25	Fe≤25 Cu≤5 Zn≤5 Co≤200 Ni≤5 Cr≤5	≤300PPb	≤1000	≤5
	高纯/高导/钴系	4.00	5.60	Fe≤10 Cu≤5 Zn≤5 Co≤30 Ni≤5 Cr≤5	≤300PPb	≤1000	≤5
	高纯/高导/铁、钴系	5.00	6.00	Fe≤15 Cu≤5 Zn≤5 Co≤10 Ni≤5 Cr≤5	≤300PPb	≤1000	≤5
	高纯//钴系/阵列	5.00	6.00	Fe≤10 Cu≤3 Zn≤3 Co≤20 Ni≤3 Cr≤3	≤300PPb	≤1000	≤5
	高纯/阵列	4.00	5.00	Fe≤20 Cu≤3 Zn≤3 Co≤10 Ni≤3 Cr≤3	≤300PPb	≤1000	≤5
BIMT-D10 系列	高纯常规款/铁、钴系二者复合	5.00	6.00	Fe≤20 Cu≤5 Zn≤5 Co≤10 Ni≤5 Cr≤5	≤300PPb	≤1000	≤5
	高纯/高固含/三者复合	10.00	12.00	Fe≤20 Cu≤6 Zn≤6 Co≤40 Ni≤10 Cr≤6	≤500PPb	≤1000	≤5



复合浆料 SEM图



多壁管浆料 SEM图

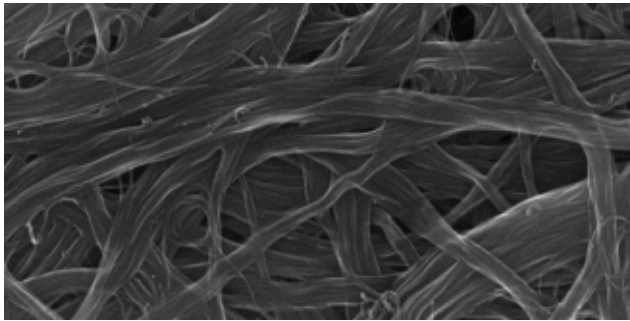
S1水系&N1油系浆料

Water-based conducting agent & Organic solvent-based conducting agent

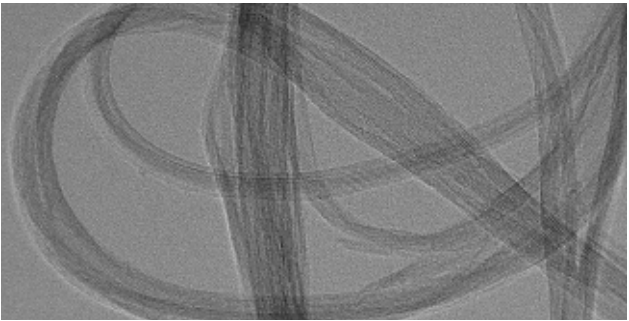
- ✓ 纯度高 High purity
- ✓ 导电性好 Excellent conductivity

- 水系浆料应用于硅负极添加、包覆
- 油系浆料应用于铁锂、高镍、三元钴酸锂电池、钠电池等
- Water-based conducting agent applied to/suitable for silicon anode additives, surface coating/encapsulation.
- Organic solvent-based conducting agent applied to/suitable for LFP, high-nickel batteries, NCM/LCO batteries, sodium-ion batteries.

产品型号	特色	导电碳含量 (%)	固含量 (±0.2%)	金属杂质	磁性物质 (Fe、Co Ni、Zn、Cr总和)	水份 (ppm)	粒径/D50 (um)
BIMT-S1-1G	单壁管/水系浆料	0.40	1.00	Fe≤50 Cu≤5 Zn≤5 Co≤5 Ni≤5 Cr≤5	≤500PPb	/	/
BIMT-N1-1G	单壁管/油系浆料	0.40	2.40	Fe≤60 Cu≤5 Zn≤5 Co≤5 Ni≤5 Cr≤5	≤500PPb	≤1000	/



S1水系浆料



N1油系浆料

**HIGH-QUALITY
DEVELOPMENT**

**引领电池材料革新
赋能新能源产业高质量发展**

Leading the innovation of battery materials

Driving the high-quality development of the new energy industry





科技兴邦 德行天下 锐意进取

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