Meso Carbon Microbeads

NANOSHEL
Creating Miracles in Black

Meso Carbon Microbeads

Stock No.
NS6130-12-000321

- Mesocarbon microbeads (MCMB) derived from the petroleum residua comprise of an unorganised carbon nucleus covered by non-carbonised (organic aromatics, resins, etc.) material, with surface oxygen groups, such as hydroxyls.
- Carbon-based anode has been widely employed as anode for commercial batteries. The commercial batteries are mesocarbonmicrobead, artificial and natural graphite, carbon fiber or C-C composites material, carbon nanotube, and also graphene.
- Graphitized MCMB has many advantages for instance, high packing density that guarantees high-energy density, small surface area that decreases the irreversible capacity corresponding to electrolyte decomposition.
- The MCMB is utilized for the electromagnetic interference (EMI) shielding
- The MCMB electrode manifests high discharge capacity.

TECHNICAL Specifications

✓ Molecular Formula	:	C
✓ Molecular Weight	:	12.01g/mol
✓ Color	:	Black powder
✓ Melting Point	:	3550 °C
✓ Boilling Point	:	4027 °C
✓ Specific Surface Area	:	2.022 m2/g
✓ First Discharge Efficiency	:	345.2 mAh/g
✓ Application	:	MCMB Graphite Powder for Liion Battery Electrodes
✓ Solubility	:	Insoluble in water

Purity
99.9%

Thickness
18-20µm

20ZICE4589C 19ZAZGO1274G 20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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