

MCMB (Low-Temperature)

Catlog Number: BMAM-0034

• Description

Specialized mesocarbon microbeads with optimized pore structures for superior lithium-ion diffusion at temperatures as low as -30°C.

• Basic Information

Chemical Formula: MCMB-LT

Appearance: Spherical Black

D50 Particle Size: 10 - 15 μm

Tap Density: $\geq 1.15 \text{ g/cm}^3$

BET Surface Area: 2.0 - 5.0 m^2/g

1st Discharge Capacity: $\geq 310 \text{ mAh/g}$

1st Coulombic Efficiency: $\geq 91\%$

Carbon Content: $\geq 99.9\%$

Active Metal Content: N/A

Ash Content: $\leq 0.05\%$

Moisture Content: $\leq 0.10\%$

pH Value: 6.0 - 8.0

Iron (Fe) Impurity: $\leq 30 \text{ ppm}$

True Density: 2.1 - 2.2 g/cm^3

Compaction Density: $\geq 1.6 \text{ g/cm}^3$

Crystal Structure: Spherical

Surface Coating: Proprietary

Magnetic Impurities: $\leq 50 \text{ ppb}$

Electronic Conductivity: $\sim 10^2 \text{ S/cm}$

Voltage Range: 0.01 - 1.5 V

Purity: $\geq 99.9\%$

Primary Application: Extreme temp storage

Thermal Stability: High

Cycle Life: $\geq 1500 \text{ cycles}$

 For Research or Industrial Raw Materials, Not For Personal Medical Use!