

Active Material Characteristics

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| Product Name: | NANOMYTE [®] BE-200E |
| Product Description: | Graphite electrode sheet |
| Formula: | C |
| Purity: | > 98% |
| Average Particle Size (APS): | 15 – 20 µm |
| Specific Surface Area: | 1.5 – 1.8 m ² /g |

Electrode Tape Characteristics

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| Current Collector: | Copper |
| Current Collector Thickness: | 10 µm |
| Sheet Size: | 5 in x 10 in (12.7 cm x 25.4 cm) |
| Capacity: | 2.4 mAh/cm ² ± 5% |
| Anode/Cathode Capacity Ratio: | 1.2 (custom loading available upon request) |
| Tape Thickness: | 60 – 65 µm (excluding current collector) |
| Standard Tape Composition: | 90% Graphite ["C"] (active material) |
| | 5% Poly(vinylidene fluoride) ["PVDF"] (binder) |
| | 5% Carbon Black ["Super P"] (conductive carbon) |

Electrical Characteristics

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| Average Voltage vs. Li/Li⁺: | 0.1 V |
| Minimum Delithiation Capacity: | 340 mAh/g |
| Nominal Capacity at 0.1C: | ≥ 365 mAh/g |

Recommended Operating Conditions

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| Maximum Charge Current: | 5C |
| Maximum Discharge Current: | 10C |

Available Quantities

NEI's standard electrode sheets are ready-to-ship and available in packages of 2, 5, and 10 sheets

Handling & Storage

Precautions for Safe Handling

Appropriate personal protective equipment should be used at all times. Avoid contact with eyes and skin. Wash hands thoroughly after handling.

Conditions for Safe Storage

Store in a dry and well-ventilated place. Avoid moisture.

Refer to SDS for complete information on the safe handling of this material.

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