

Active Material Characteristics

Product Name:	NANOMYTE® BE-300E
Product Description:	Activated Carbon electrode sheet
Formula:	C
Purity:	> 98%
Average Particle Size (APS):	5 – 10 µm
Specific Surface Area:	1550 – 1660 m ² /g

Electrode Tape Characteristics

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% Activated Carbon ["C"] (active material)
	5% Poly(vinylidene fluoride) ["PVDF"] (binder)
	5% Carbon Black ["Super P"] (conductive carbon)

Electrical Characteristics

Average Voltage vs. Li/Li⁺:	0.3 V
Minimum Delithiation Capacity:	200 mAh/g
Nominal Capacity at 0.1C:	≥ 220 mAh/g

Recommended Operating Conditions

Maximum Charge Current:	10C
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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