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**Active Material Characteristics**

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<b>Product Name:</b>	NANOMYTE® BE-35E
<b>Product Description:</b>	Lithium Manganese Oxide (LMO) electrode sheet
<b>Formula:</b>	LiMn <sub>2</sub> O <sub>4</sub>
<b>Purity:</b>	> 98%
<b>Average Particle Size (APS):</b>	9 – 11 µm
<b>Specific Surface Area:</b>	0.5 m <sup>2</sup> /g

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**Standard Electrode Tape Characteristics**

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<b>Current Collector:</b>	Aluminum
<b>Current Collector Thickness:</b>	16 µm
<b>Sheet Size:</b>	5 in x 10 in (12.7 cm x 25.4 cm)
<b>Capacity:</b>	1.25 mAh/cm <sup>2</sup> ± 5% (custom material loading available upon request)
<b>Tape Thickness:</b>	60 – 70 µm (excluding current collector)
<b>Standard Tape Composition:</b>	90% Lithium Manganese Oxide ["LMO"] (active material) 5% Poly(vinylidene fluoride) ["PVDF"] (binder) 5% Carbon Black ["Super P"] (conductive carbon)

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**Electrical Characteristics**

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<b>Nominal Voltage vs. Li/Li<sup>+</sup>:</b>	4.0V
<b>Minimum Capacity:</b>	100 mAh/g
<b>Nominal Capacity at 0.1C:</b>	≥ 110 mAh/g

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**Recommended Operating Conditions**

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<b>Charge Method:</b>	Constant current – constant voltage
<b>Maximum Charge Voltage:</b>	4.3V vs. Li/Li <sup>+</sup>
<b>Maximum Charge Current:</b>	3C
<b>Cutoff Voltage For Discharge:</b>	3.5V vs. Li/Li <sup>+</sup>
<b>Maximum Discharge Current:</b>	5C

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**Available Quantities**

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

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**Storage & Handling**

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**Precautions for Safe Handling**

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

**Conditions for Safe Storage**

Keep container tightly closed in a moisture-free and well-ventilated place.

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

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