

**Active Material Characteristics**

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<b>Product Name:</b>	NANOMYTE® BE-10E
<b>Product Description:</b>	Lithium Titanate (LTO) electrode sheet
<b>Formula:</b>	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub>
<b>Purity:</b>	> 98%
<b>Average Particle Size (APS):</b>	1.5 – 3 µm
<b>Specific Surface Area:</b>	5 – 9 m <sup>2</sup> /g

**Electrode Tape Characteristics**

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<b>Current Collector:</b>	Copper
<b>Current Collector Thickness:</b>	10 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%
<b>Tape Thickness:</b>	55 – 60 µm (excluding current collector)
<b>Standard Tape Composition:</b>	90% Lithium Titanate ["LTO"] (active material)
	5% Poly(vinylidene fluoride) ["PVDF"] (binder)
	5% Carbon Black ["Super P"] (conductive carbon)

**Electrical Characteristics**

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<b>Nominal Voltage vs. Li/Li<sup>+</sup>:</b>	1.53V
<b>Minimum Capacity:</b>	150 mAh/g
<b>Nominal Capacity at 0.1C:</b>	≥ 170 mAh/g

**Recommended Operating Conditions**

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<b>Maximum Charge Voltage:</b>	3.0V vs. Li/Li <sup>+</sup>	<b>Cutoff Voltage for Discharge:</b>	1.0V vs. Li/Li <sup>+</sup>
<b>Maximum Charge Current:</b>	5C	<b>Maximum Discharge Current:</b>	10C

**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

**Storage & Handling**

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**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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