

## Active Material Characteristics

<b>Product Name:</b>	NANOMYTE® BE-10CE
<b>Product Description:</b>	Carbon-coated Lithium Titanate (LTO) electrode sheet
<b>Formula:</b>	$\text{Li}_4\text{Ti}_5\text{O}_{12}$ with 1 – 3 wt% carbon coating
<b>Purity:</b>	> 98%
<b>Average Particle Size (APS):</b>	3 – 5 $\mu\text{m}$
<b>Specific Surface Area:</b>	$16 \pm 1 \text{ m}^2/\text{g}$

## Electrode Tape Characteristics

<b>Current Collector:</b>	Copper
<b>Current Collector Thickness:</b>	10 $\mu\text{m}$
<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 $\mu\text{m}$ (excluding current collector)
<b>Standard Tape Composition:</b>	90% Carbon-coated Lithium Titanate ["C-LTO"] (active material)
	5% Poly(vinylidene fluoride) ["PVDF"] (binder)
	5% Carbon Black ["Super P"] (conductive carbon)

## Electrical Characteristics

<b>Nominal Voltage vs. Li/Li<sup>+</sup>:</b>	1.53V	<b>Nominal Capacity at 0.1C:</b>	≥ 170 mAh/g
<b>Minimum Capacity:</b>	150 mAh/g	<b>Capacity Retention at 30C:</b>	≥ 150 mAh/g

## Recommended Operating Conditions

<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

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

## Storage & Handling

### 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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