NEI Corporation

# Specification Sheet

## NANOMYTE® BE-10C (Carbon-coated LTO)

### Material Characteristics

| | |
|---|---|
| **Product Description:** | Carbon-coated Lithium Titanate (LTO) powder |
| **Formula:** | $Li_4Ti_5O_{12}$ (with 1 – 3 wt% carbon coating) |
| **Average Particle Size ($D_{50}$):** | 3 – 5 µm |
| **Specific Surface Area:** | ~16 $m^2/g$ |

### Electrical Characteristics

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|---|---|
| **Nominal voltage vs. $Li/Li^+$:** | 1.53V |
| **Minimum capacity:** | 150 mAh/g |
| **Experimental capacity:** | 160 mAh/g (1.2 – 2.3V @ 0.1C) |

### Recommended Operating Conditions

| | | | |
|---|---|---|---|
| **Maximum Charge Voltage:** | 3.0V vs. $Li/Li^+$ | **Cutoff Voltage for Discharge:** | 1.0V vs. $Li/Li^+$ |
| **Maximum Charge Current:** | 5C | **Maximum Discharge Current:** | 10C |

### Available Quantities

NEI's cathode and anode powders are available for purchase in quantities of 500 grams or more.

### Precautions for Safe Storage & Handling

Personal protective equipment should be used at all times. Avoid contact with eyes and skin. Ensure adequate ventilation and avoid inhalation of dusts. Wash hands thoroughly after handling. Store in a dry and well-ventilated place. Avoid moisture. Refer to SDS for complete safety information of this material.





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