**Material Characteristics**

<table>
<thead>
<tr>
<th>Product Description:</th>
<th>Carbon-coated Lithium Titanate (LTO) powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula:</td>
<td>$\text{Li}_4\text{Ti}<em>5\text{O}</em>{12}$ (with 1 – 3 wt% carbon coating)</td>
</tr>
<tr>
<td>Average Particle Size ($D_{50}$):</td>
<td>3 – 5 µm</td>
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<tr>
<td>Specific Surface Area:</td>
<td>$\sim 16 \text{ m}^2/\text{g}$</td>
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</tbody>
</table>

**Electrical Characteristics**

- 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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