



Active Material Characteristics

| | | |
|-----------------------------|--------------------------|-------------------------------------|
| Formula | Natural Graphite [Li(N)] | |
| Purity | >99% | |
| Surface Area | <0.5 m ² /g | |
| Particle Size Distribution: | | |
| D10 | >4 μm | |
| D50 | 813 μm | |
| D99 | <28 μm | |
| Standard Formulation | | |
| | 94.5% | Graphite (active material) |
| | 1.5% | Carbon Black - C65 (conductive aid) |
| | 1.5% | CMC (binder) |
| | 2.5% | SBR (binder) |

Electrode Sheet Characteristics

| | | |
|--|-------------------------|-------------------------|
| Current Collector | Coated Copper | |
| Current Collector Thickness | ~10 μm | |
| Sheet Size | | |
| Loading | Low | High |
| Aerial Capacity (Base these on reversible capacity @ C/10, double check the values at right) | 1.9 mAh/cm ² | 3.8 mAh/cm ² |
| Coat Loading ¹ | 60 g/m ² | 120 g/m ² |
| Calendared Density | 1.5 g/m ² | 1.75 g/m ² |

¹If ordered with a cathode, the coat loading will be matched so that the anode/cathode capacity ratio is 1.2

Electrical Characteristics²

| | |
|--|---------------------------|
| Average Voltage vs. Li/Li+ | 0.1 V |
| Nominal Lithiation Capacity at: | |
| 0.1 C | --This info coming soon-- |
| 0.5 C | -- |
| Nominal Delithiation Capacity ³ at: | |
| 0.1 C | --This info coming soon-- |
| 0.5 C | -- |
| 1 C | -- |
| 2 C | -- |
| 5 C | -- |
| 10 C | -- |

²Based on ½ cell data, Graphite vs. Li, voltage range of 0.01-1.5 V

³Lithiated using CCCV @ 0.5 C w/0.05 C cutoff current.