



Active Material Characteristics

Formula	Natural Graphite [C]	
Purity	>99%	
Surface Area BET	~1.10 m ² /g	
Particle Size Distribution:		
D10	10.4 μm	
D50	16.2 μm	
D90	25.6 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.