

Active Material Characteristics

Product Name:	NANOMYTE® BE-60E
Product Description:	Lithium Iron Phosphate (LFP) electrode sheet
Formula:	LiFePO ₄
Purity:	> 98%
Average Particle Size (D₅₀):	~ 2 µm
Specific Surface Area:	~ 15 m ² /g

Standard Electrode Tape Characteristics

Current Collector:	Aluminum
Current Collector Thickness:	16 µm
Sheet Size:	5 in x 10 in (12.7 cm x 25.4 cm)
Capacity:	1.25 mAh/cm ² ± 5% (custom material loading available upon request)
Tape Thickness:	60 – 70 µm (excluding current collector)
Standard Tape Composition:	90% Lithium Iron Phosphate ["LFP"] (active material)
	5% Poly(vinylidene fluoride) ["PVDF"] (binder)
	5% Carbon Black ["Super P"] (conductive carbon)

Electrical Characteristics

Nominal Voltage vs. Li/Li⁺:	3.2V
Minimum Capacity:	150 mAh/g
Nominal Capacity at 0.1C:	≥ 160 mAh/g

Recommended Operating Conditions

Charge Method:	Constant current – constant voltage
Maximum Charge Voltage:	4.0V vs. Li/Li ⁺
Maximum Charge Current:	10C
Cutoff Voltage For Discharge:	2.5V vs. Li/Li ⁺
Maximum Discharge Current:	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. Provide good ventilation or extraction. Avoid contact with eyes and skin. Wash hands thoroughly after handling.

Conditions for Safe Storage

Keep container tightly closed in a moisture-free and well-ventilated place.

Refer to SDS for complete information on the safe handling of this material.

NOTE: NEI Corporation believes that the information in this spec sheet is an accurate description of the typical use of the product. However, NEI disclaims any liability for incidental or consequential damages, which may result from the use of their products that are beyond its control. Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy, and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual right.