

NANOMYTE® Battery Powders

Cathode & Anode Powders for Lithium-ion Batteries

NEI offers a variety of cathode and anode materials for lithium-ion batteries. Our battery materials are produced through a scalable and economical solid state synthesis process, which is adaptable to different material compositions and particle morphologies. In addition to supplying the standard cathode and anode compositions listed below, we can custom produce any lithium battery material composition of your choice – including oxide, sulfide, and carbon-coated materials.

List of NANOMYTE® Anode Powders & Specifications:

Product	Product Description	Particle Size	Capacity (0.1C)
BE-10	Lithium Titanate ($\text{Li}_4\text{Ti}_5\text{O}_{12}$)	1.5 – 3 μm	≥ 170 mAh/g
BE-10C	Carbon-coated Lithium Titanate ($\text{Li}_4\text{Ti}_5\text{O}_{12}$)	3 – 5 μm	≥ 170 mAh/g

List of NANOMYTE® Cathode Powders & Specifications:

Product	Product Description	Particle Size	Capacity (0.1C)
BE-30	Lithium Manganese Oxide (LiMn_2O_4)	6 – 7 μm	≥ 110 mAh/g
BE-35	Lithium Manganese Oxide (LiMn_2O_4)	9 – 11 μm	≥ 110 mAh/g
BE-45	Lithium Nickel Cobalt Aluminum Oxide ($\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$)	11 – 13 μm	≥ 190 mAh/g
SP-10	Lithium Manganese Nickel Oxide (LMNO) powder	4 – 7 μm	≥ 130 mAh/g
SP-10C	LATP-coated Lithium Manganese Nickel Oxide powder	5 – 8 μm	≥ 125 mAh/g

Custom & Specialty Materials

Looking for a particular material or composition not listed? NEI can custom produce or modify any anode or cathode material of your choice. In addition to our standard materials above, NEI manufactures specialty materials for Lithium ion batteries that are not commonly found, such as coated anode and cathode powders or specialty compositions and powder morphologies. We also offer a variety of characterization & testing services aimed to help you unlock your potential and get the best performance out of your battery materials.

Available for Purchase

NANOMYTE® Cathode & Anode powders are available for purchase in half kilogram quantities or higher. Additionally, NEI can customize any of our available powders to meet your specifications for an additional fee. **Request your quote with our representative today!**

www.neicorporation.com

400 Apgar Drive, Unit E | Somerset, NJ 08873 | (732) 868-3141 | productinfo@neicorporation.com