

# NANOMYTE® Electrode Sheets

## Cast Electrode Tapes for Lithium-ion Batteries

NEI offers a variety of cathode and anode electrode sheets suitable for a wide range of applications. Standard electrode sheets are 5 in x 10 in (127 mm x 254 mm) and cast on one side of either aluminum (cathode) or copper foil (anode) current collectors. Each tape is composed of 90% active material, 5% PVDF binder, and 5% conductive carbon. NEI also offers custom tailored solutions for customers with unique specification requirements. Our tapes can be modified to accommodate different active material loadings, coating thickness, and binder type / content upon request.

### List of NANOMYTE® Anode & Cathode Tapes & Specifications:

Product ID	Active Material	Average Particle Size (µm)	Active Loading* (mg/cm <sup>2</sup> )	Areal Capacity* (mAh/cm <sup>2</sup> )	Nominal Capacity at 0.1C (mAh)
BE-10E	Lithium Titanate (LTO)	1.5 – 3	7.35	1.25	≥ 170
BE-10CE	Carbon-coated Lithium Titanate (LTO)	3 – 5	7.35	1.25	≥ 170
BE-200E	Graphite (C)	15 – 20	6.49	2.40	≥ 365
BE-300E	Activated Carbon (C)	5 – 10	10.91	2.40	≥ 220
BE-20E	Lithium Cobalt Oxide (LCO)	13 – 14	12.50	2.00	≥ 155
BE-30E	Lithium Manganese Oxide (LMO)	6 – 7	12.50	1.25	≥ 110
BE-35E	Lithium Manganese Oxide (LMO)	9 – 11	12.50	1.25	≥ 110
BE-45E	Lithium Nickel Cobalt Aluminum Oxide (NCA)	11 – 13	10.53	2.00	≥ 190
BE-50E-111	Lithium Nickel Manganese Cobalt Oxide (NMC111)	8 – 12	12.90	2.00	≥ 160
BE-50E-532	Lithium Nickel Manganese Cobalt Oxide (NMC532)	8 – 12	11.43	2.00	≥ 165
BE-50E-622	Lithium Nickel Manganese Cobalt Oxide (NMC622)	10 – 13	11.43	2.00	≥ 170
BE-50E-811	Lithium Nickel Manganese Cobalt Oxide (NMC811)	10 – 13	10.00	2.00	≥ 190
BE-60E	Lithium Iron Phosphate (LFP)	~2	7.35	1.25	≥ 160
SP-10E	Lithium Manganese Nickel Oxide (LMNO)	4 – 7	16.00	2.00	≥ 130
SP-10CE	LATP-coated Lithium Manganese Nickel Oxide	5 – 8	16.00	2.00	≥ 125

\*Values within ± 5%

### Available for Purchase

NEI's standard electrode sheets are available for purchase in ready-to-ship packages of 2, 5, or 10 sheets (per material). We can also customize tape specifications (such as loading, thickness, binder, & collector) for an additional fee.

**Request a quote today!**

[www.neicorporation.com](http://www.neicorporation.com)

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