



Enabling Breakthrough Performance

LB 100 Series Data Sheet

Carbon Nanotube/NMP Conductive Paste



- A conductive paste uses the vapor grown multi-wall carbon nanotubes and N-Methylpyrrolidone (NMP)
- The paste is used for enhancing Lithium-ion battery's performance, especially the power density and cycle life time, by leveraging the carbon nanotube's high conductivity and very large aspect ratio. Substitution of carbon black in current batteries is the primary usage of the paste
- The product can be used for both anode and cathode of the batteries with recommended amounts of 0.5-2 wt% for anode, and 1-4 wt% for cathode, respectively

LB 100 Series Conductive Paste

PROPERTIES	UNITS	VALUES
Carbon Nanotube Loading	wt%	1-5
Average Diameter	nm	11
Average Length	μm	10
Surface Area (BET)	m ² /g	230-280
Bulk Resistivity from Dry Film	ohm-cm	10 ⁻²
NMP	wt%	93-98
Dispersant	wt%	0.2-1.25

Note: While the information provided is believed to be accurate, CNano makes no warranties and assumes no liability in connection with use of the information.

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