

Technical data

Categories No: TNCC

Name: CNTs Composite Conductive Agent in Lithium Ion Battery

SSA : 80m²/g

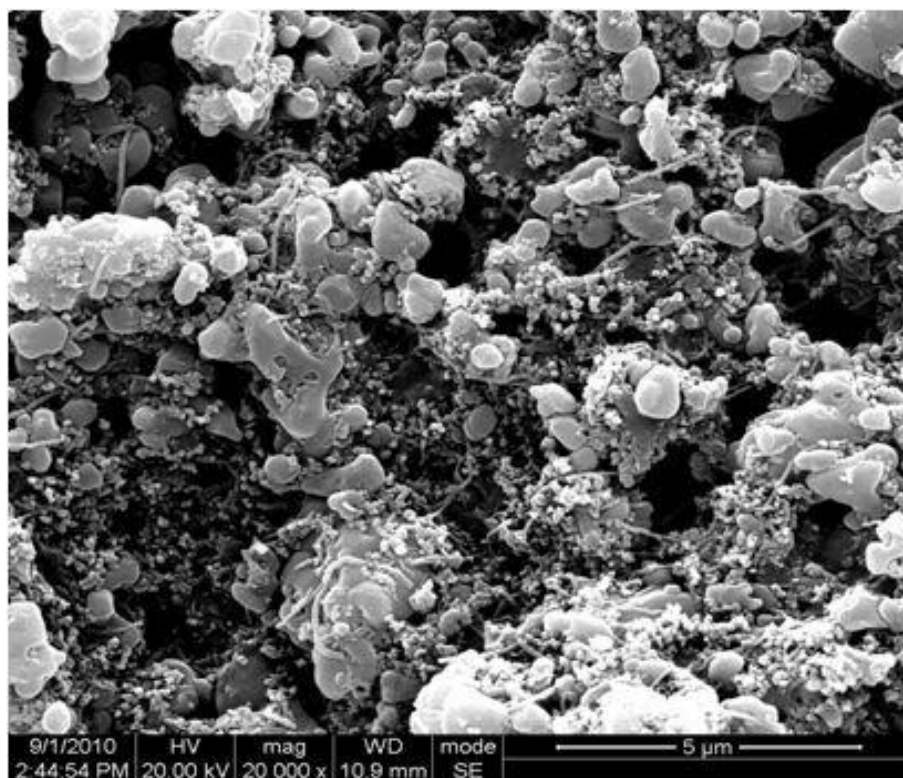
OD of CNTs: 50-80nm [OD=Outer Diameter]

Length of CNTs: 10-15um

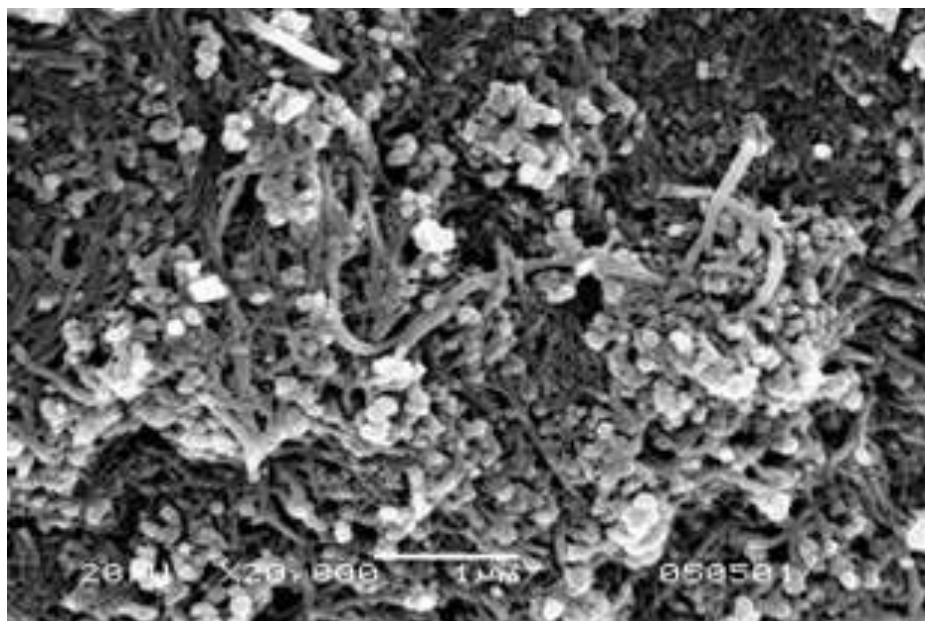
PH: <9

State: Black Powder

Testing pictures



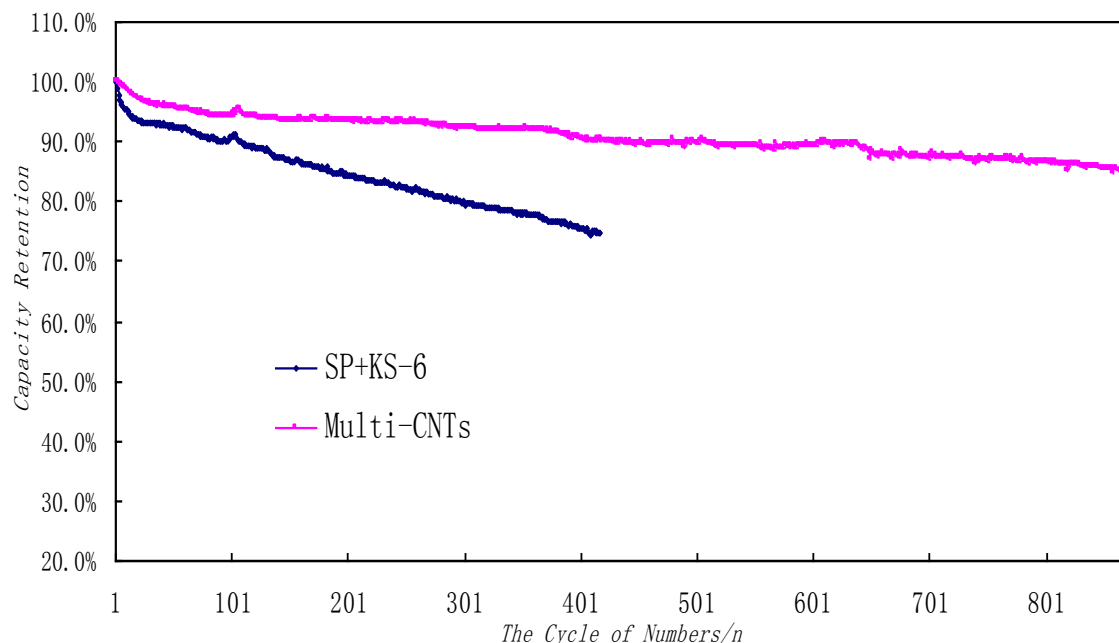
SEM of TNCC



SEM of TNCC

		LiCoO ₂		LiFePO ₄	
		SP+KS-6	CNTs 复合	SP+KS-6	CNTs 复合
压实密度 (g/cm ³)		3.6	3.8	2.1	2.4
循环寿命(1C/1C)	500 次	75.3%	91.2%	89. 2%	95. 8%
	800 次	—	83.6%	83. 1%	92. 4%

采用不同导电剂和不同正极材料的锂离子电池循环寿命比较表



采用不同导电剂的 700mAh 锂离子电池循环性能

Application instruction

Potential Application of Carbon Nanotubes

Additives in polymers

Catalysts

Electron field emitters for cathode ray lighting elements

Flat panel display

Gas-discharge tubes in telecom networks

Electromagnetic-wave absorption and shielding

Energy conversion

Lithium-battery anodes

Hydrogen storage

Nanotube composites (by filling or coating);

Nanoprobes for STM, AFM, and EFM tips

Nanolithography

Nanoelectrodes

Drug delivery

Sensors

Reinforcements in composites

Supercapacitor