

# Technical Data Sheet



## ESM AN-0114

This Silicon monoxide/carbon can accommodate the volume expansion and have high initial CE of 80% and capacity of 1600 mAh/g.

### Composition

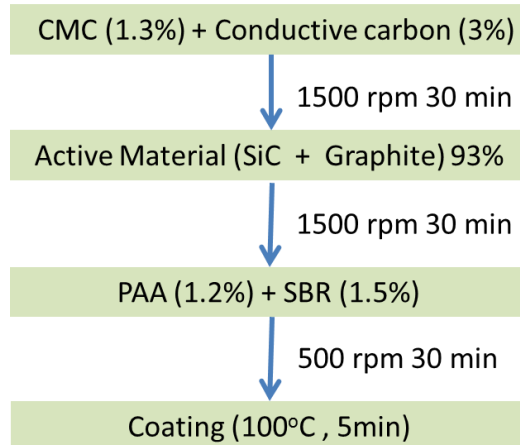
AN-0114 Silicon monoxide/carbon anode materials

### Typical Properties

colour	Drak brown		
Fe content	<200	ppm	ICP-AES
Tap Density	0.5±0.1	g/cm <sup>3</sup>	
D50	5.0±1.0	um	DLS 950, in water solution

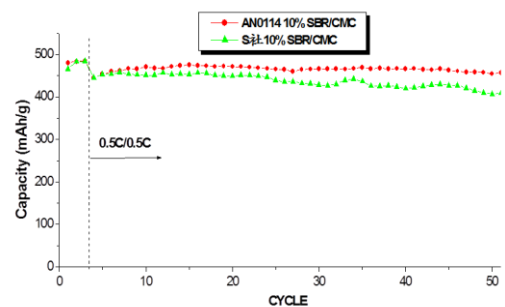
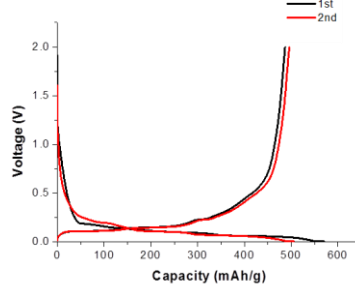
### Anode design and Processing Instructions

Mixing Process instructions Si/C added Partially



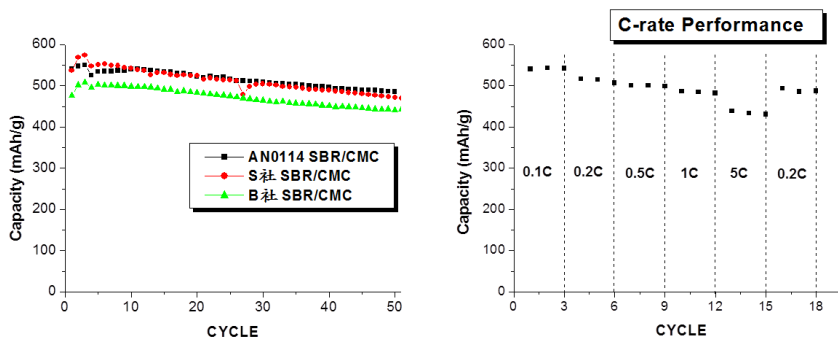
### Electrochemical performance

10% in NG





Formulation	MCMC MG13AN	SiOx AN0114	CMC	SBR TRD104A	SP/CNT SP/FT7321
Ratio(%)	78.8	13.9	1.6	2.4	2.67/0.33



## Special Features and Benefits

Electrochemical performance

The addition of this anode material (AN-0114) into formulation can increase capacity (mAh/g) and have stable cycle life of anode electrode. These performances of this anode material (AN-0114) are better than those of the conventional SiOx/C and Si/C in the market.

## Storage and Transportation

AN-0114

The shelf life is 3 months while storing in drying box.