

Confidential

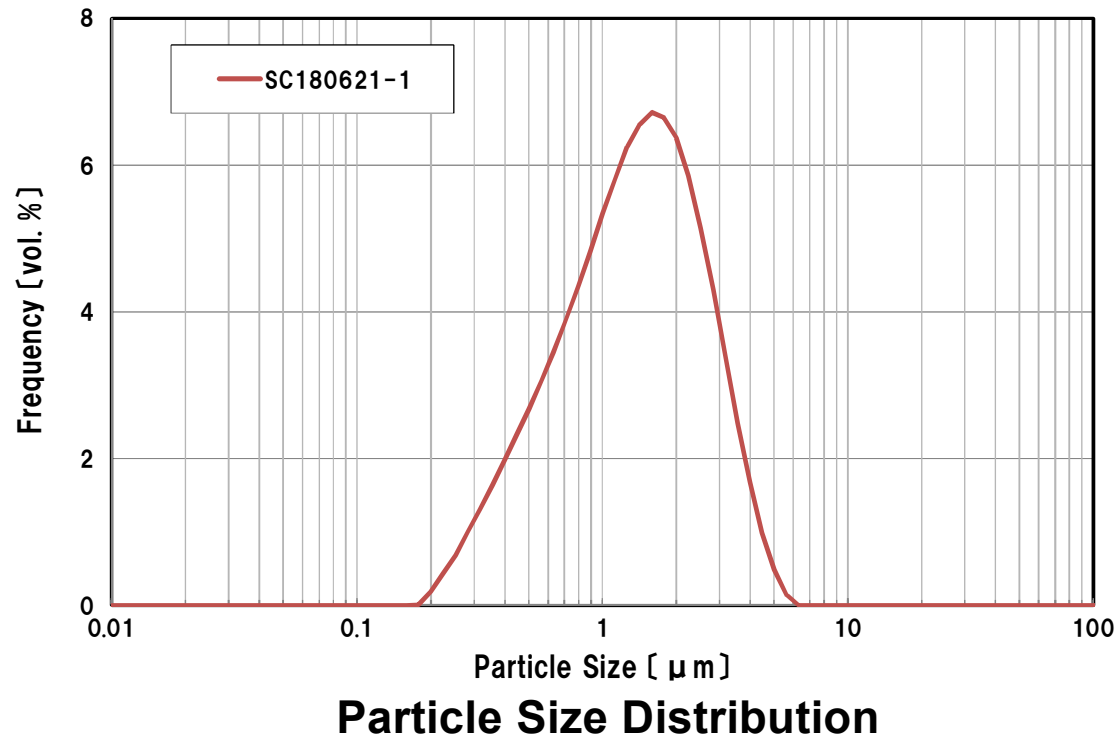
Typical Sample Data (Carbon Coated 1 μ m powder)

OSAKA Titanium technologies Co., Ltd.

Typical Property of C-SiO 1 μ m

Carbon Content, BET, P.S.D., SEM

Sample		Carbon content [wt.%]	BET [m ² /g]	P.S.D.				
				<2 μ m [%]	D10 [μ m]	D50 [μ m]	D90 [μ m]	D99 [μ m]
C-SiO 1 μ m	SC180621-1	3.0	9.6	69.2	0.5	1.4	3.1	4.8

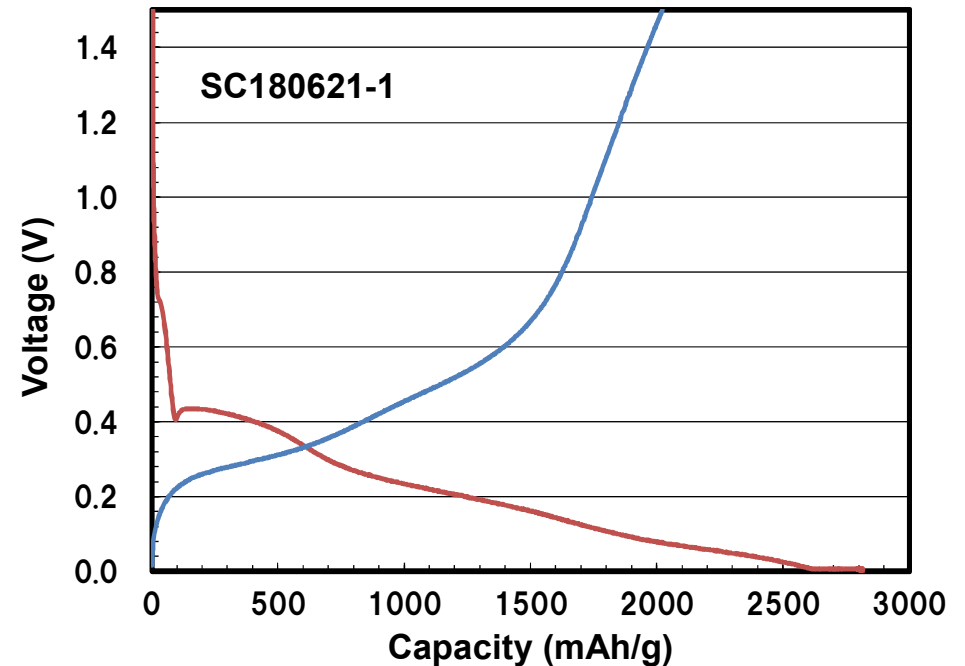


Half Cell Evaluation (C-SiO)

Sample		Initial Performance		
		1 st Charge Capacity [mAh/g]	1 st Discharge Capacity [mAh/g]	Initial Efficiency @1.5V [%]
C-SiO 1 μ m	SC180621-1	2865	2057	71.8

Condition

Half Cell (2032 coin)			
Active Material		C coat – SiO 1 μ m	
Binder		polyimide	
Additive		SiO:KB:PI=80:5:15	
Electrolyte		1 mol/L LiPF ₆ EC:DEC = 1:1	
charge / discharge condition	1st.	Li - in	CC-CV 0.1C 5mV-0.05mA
		Li - out	CC 0.1C 1.5V



1st. Charge/Discharge Profile