

Specification Sheet

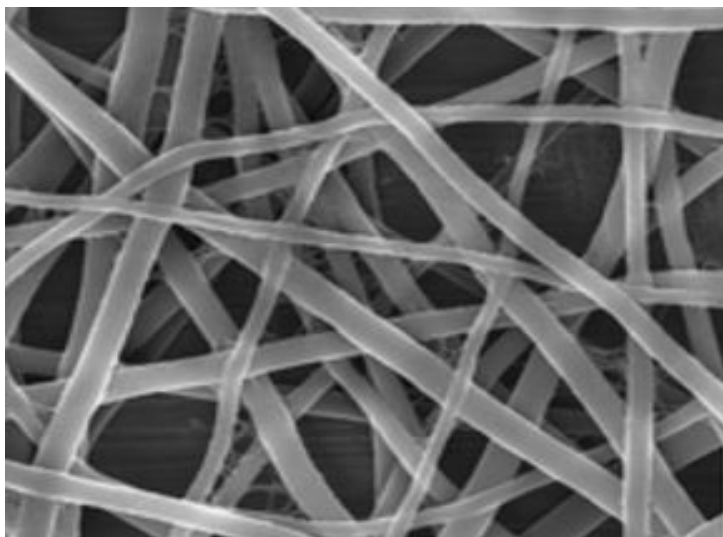
Single-Walled Carbon Nanotube Electronics

Stock No: NS6130-06-639, CAS: 308068-56-6

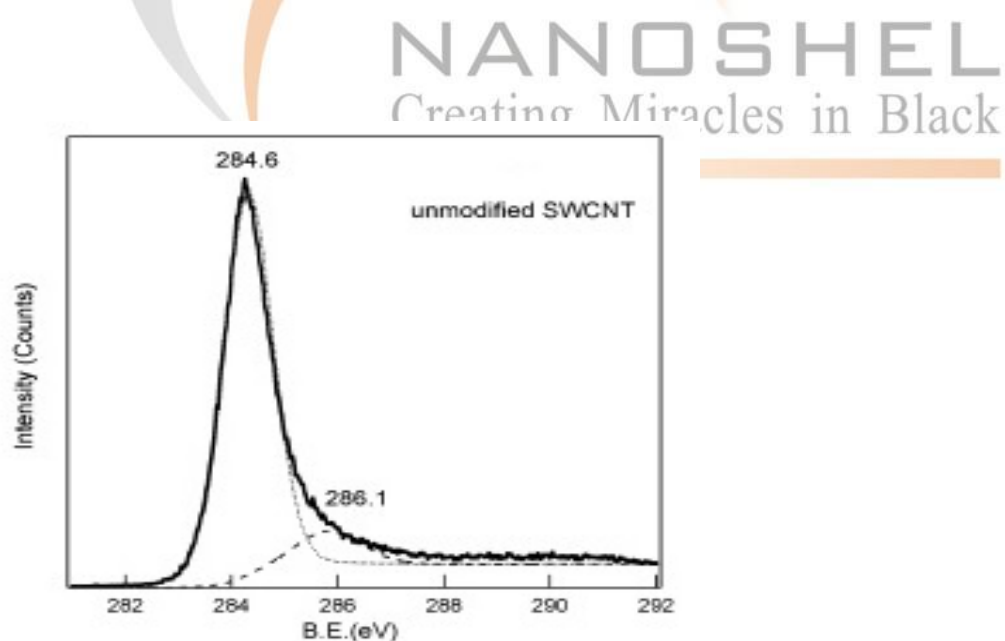
Product	:	Single-Walled Carbon Nanotube Electronics
Stock No	:	NS6130-06-639
CAS	:	308068-56-6
Diameter	:	2-3nm
Purity	:	>99% (SWCNT)
Amorphous carbon	:	1%
Residue (calcination in air)	:	< 1%
Amine (NH ₂) Surface Modified	:	1 – 2wt%
SSA	:	350-450* m ² /g
Bulk Density	:	0.05-0.17 g/cm ³
Real Density	:	2-3 g/cm ³
Charging *	:	2180 (Capacity: mA h/g)
Discharging*	:	534 (Capacity: mA h/g)
Volume Resistivity	:	0.1-0.15 Ω.cm (measured at pressure in powder)
Available Quantities	:	2Gms, 5Gms, 10Gms, 25Gms and larger quantites
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

Characterization of Single-Walled Carbon Nanotube Electronics



SEM - Single-Walled Carbon Nanotube Electronics



XPS Spectra of Unmodified SWCNT