

Specification Sheet

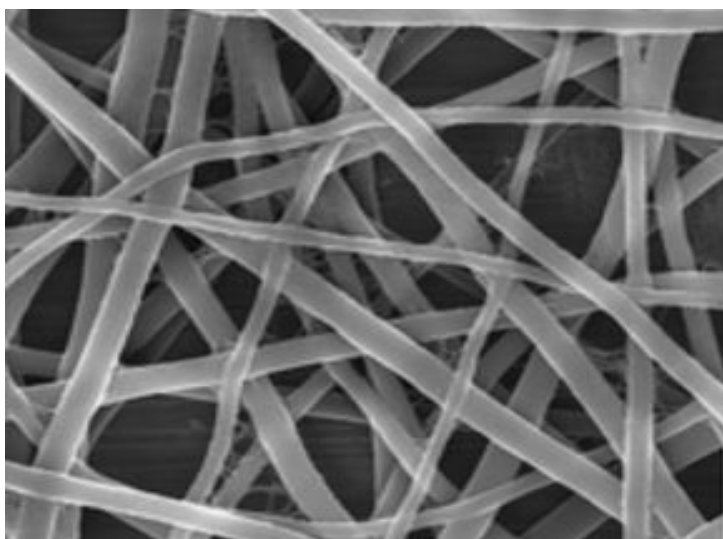
Electrical Conductivity Carbon Nanotubes

Stock No: NS6130-06-637, CAS: 308068-56-6

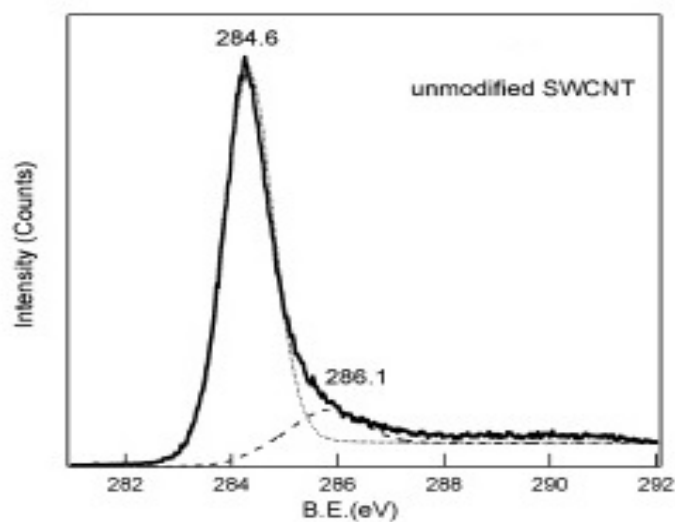
Product	:	Electrical Conductivity Carbon Nanotubes (SWCNTs)
Stock No	:	NS6130-06-637
CAS	:	308068-56-6
Category	:	SE-SL-1 (Electrical Grade SW)
Diameter	:	2-3 nm
Length	:	3-8 μm
Purity	:	>98% (SWNT) Electric current density >10-2S/cm
Amorphous carbon	:	>1%
Residue (calcination in air)	:	< 1%
SSA	:	350-450* m^2/g
Bulk Density	:	0.17-0.30 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 $\Omega\cdot\text{cm}$ (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 Electrical Conductivity Carbon Nanotubes



SEM - Electrical Conductivity Carbon Nanotubes



XPS Spectra of Unmodified SWCNT