



Technical Specification Sheet

HiPco™

Single-Walled Carbon Nanotubes

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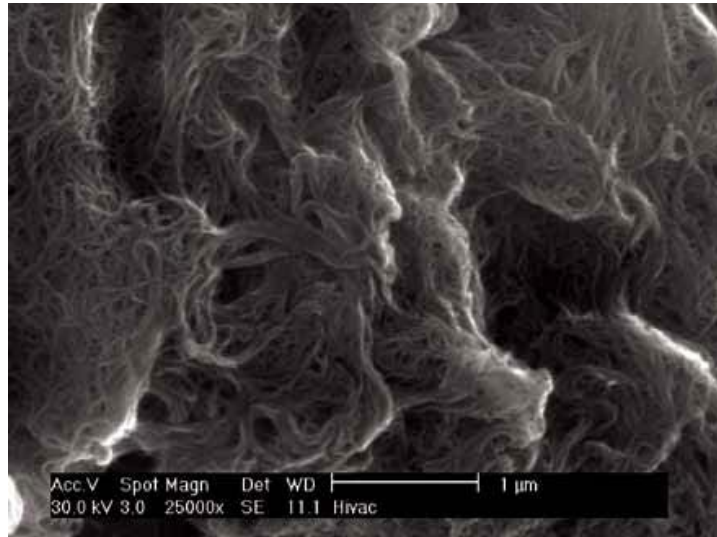
Physical Properties

Individual SWNT Diameter	~0.8 – 1.2 nm
Individual SWNT Length	~100 – 1000 nm
Calculated Molecular Weight	~3.4x10 ⁵ – 5.2x10 ⁶ Amu
Color	Black
Morphology	Dry loose powder of bundled nanotubes
Maximum Density	1.6 g/cm ³
Bulk Density	~0.1 g/cm ³
TGA Residue as Fe -Raw -Pure	<35 wt% <15 wt%
TGA 1 st Derivative Peak Temperature	Raw ~350 – 410 °C Pure ~350 – 410 °C
TGA Onset Temperature	Raw ~350 °C Pure ~440 °C
Maximum Surface Area	1315 m ² /g
BET Surface Area	~400 – 1000 m ² /g
Buckypaper Resistance	0.2 – 2 Ω
Moisture Content	<5 wt%

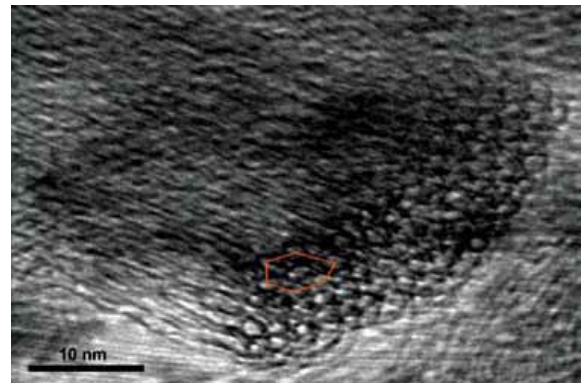
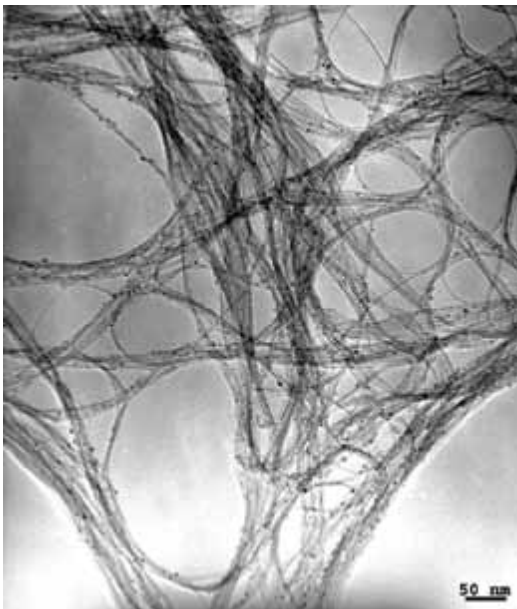
Pricing and Availability

HiPco™ carbon nanotubes of raw and pure grades are available in kg quantities for research and development. Please contact us for further information about pricing and availability.

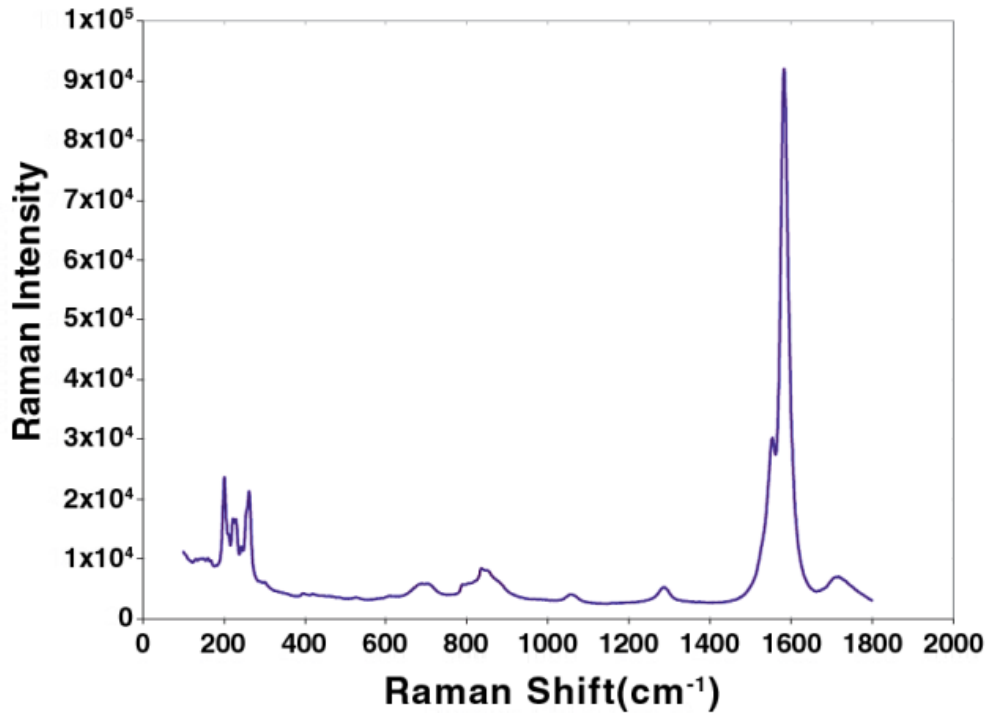
SEM



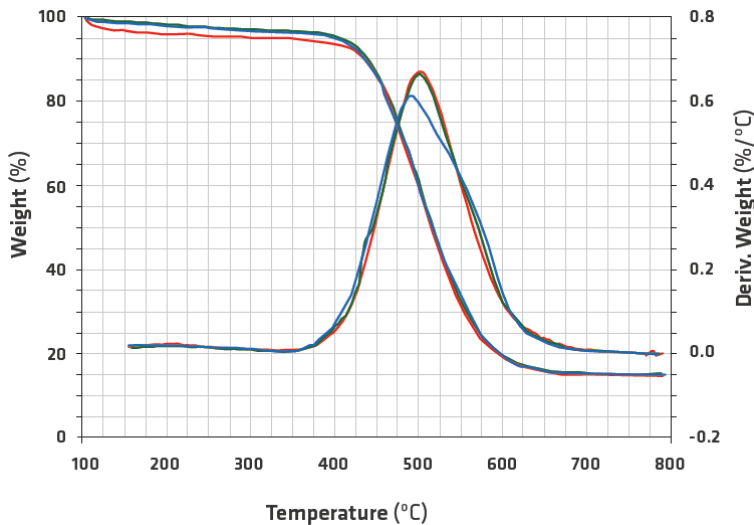
TEM



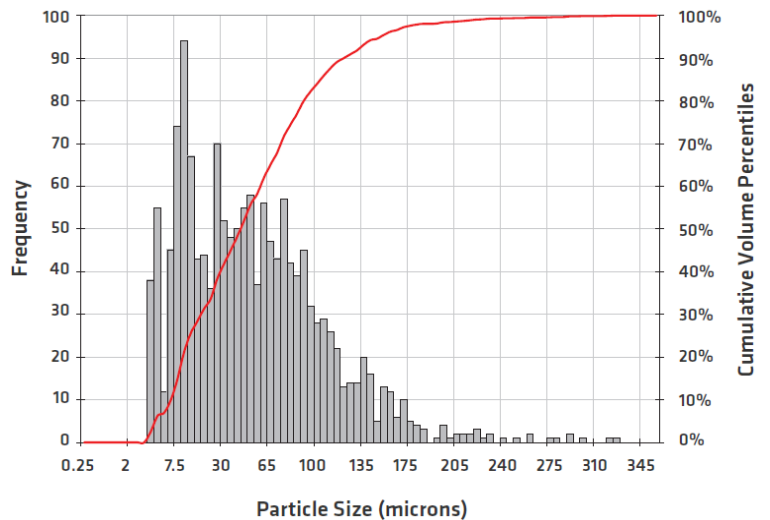
Raman Spectra



TGA



Particle Size Analysis



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