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Product Information

Conductive Single-Wall Carbon Nanotubes

Catalog Number **775533**
Store at Room Temperature

Synonym: SWCNT

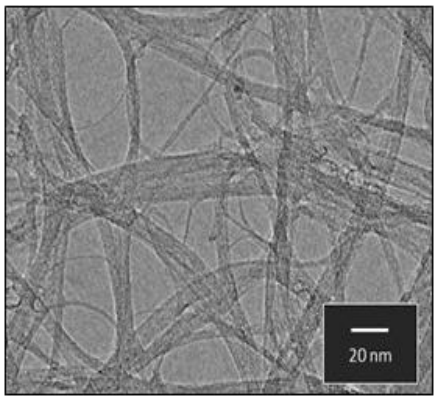
Product Description
These Single-Wall Carbon Nanotubes (SWCNT) are produced using patented CoMoCAT™ synthesis technology. 775533 is the most conductive SWCNT product, with CNTs being -COOH functionalized to enhance electrical conductivity.

Representative product characteristics are presented.

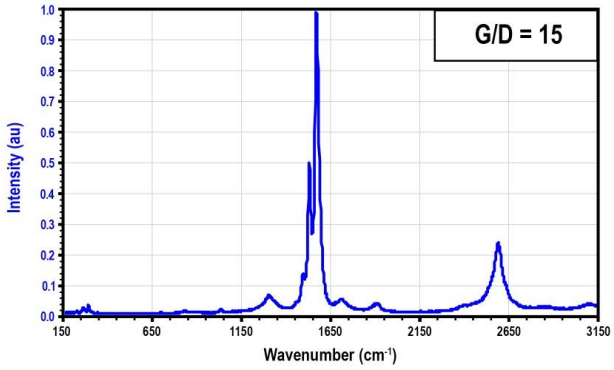
Typical Product Properties

Property (Measurement)	775533
Carbon Purity (TGA)	≥95 wt%
CNT Purity (TGA)	≥94 wt%
Average Diameter (NIRF)	0.84 nm
Median Length (AFM)	1 μm
Bulk Density (ASTM D7481)	0.1 g/cm³
Moisture Content (TGA)	≤5 wt%
Specific Surface Area (BET)	≥700 m²/g
G/D Ratio (Raman [633 nm])	≥15
Sheet Resistance (TCF)	≤600 Ω/square @85% VLT
Standard Product Form	Powder

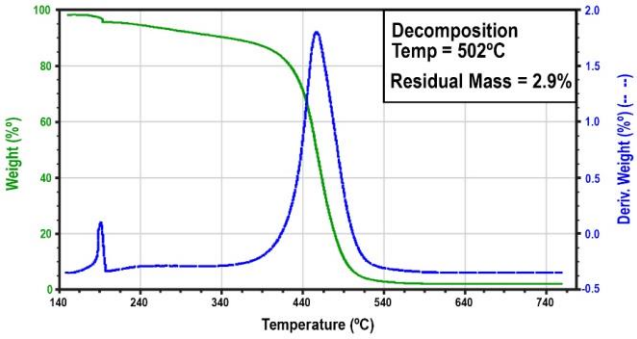
Typical SEM



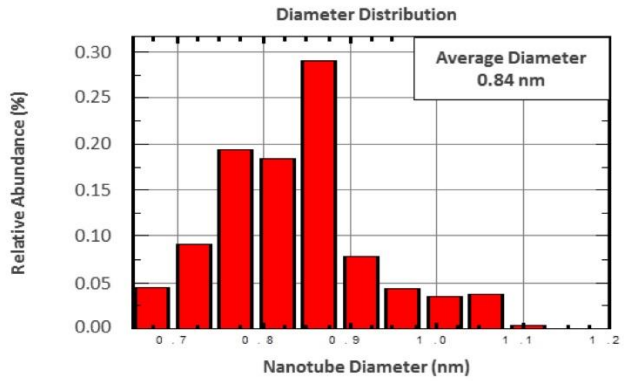
Typical Raman Analysis (633 nm)



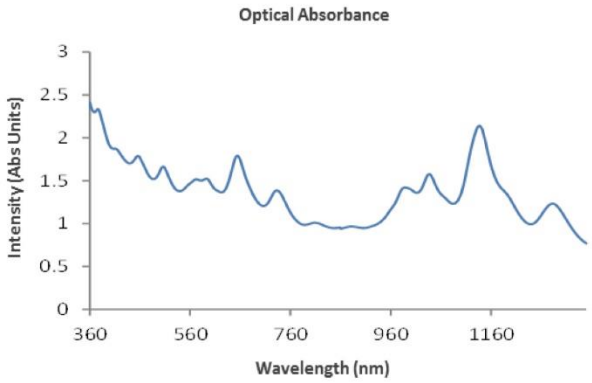
Typical Thermogravimetric Analysis



Typical Diameter Distribution



Typical Optical Absorbance
OA Peaks Corresponding to Eii Transition Energies of Included Chiral Species



Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

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