

*** Nickel-Coated Multi-Walled Carbon Nanotubes (Nickel-Coated MWNTs, >98%, OD: 50-80nm)**

Stock#: US4434

Please click [here](#) for price information.

Details:

Nickel-Coated Multi-Walled Carbon Nanotubes (MWNTs)

Purity: > 98 wt% (from TGA & TEM)

Content of Nickel: >60 wt% (XPS & Titration)

Content of CNTs: >38 wt% (XPS & Titration)

Outside diameter: 50-80 nm (from HRTEM, Raman)

Inside diameter: 5-15 nm

Length: 10-20 um (TEM)

Color: Black

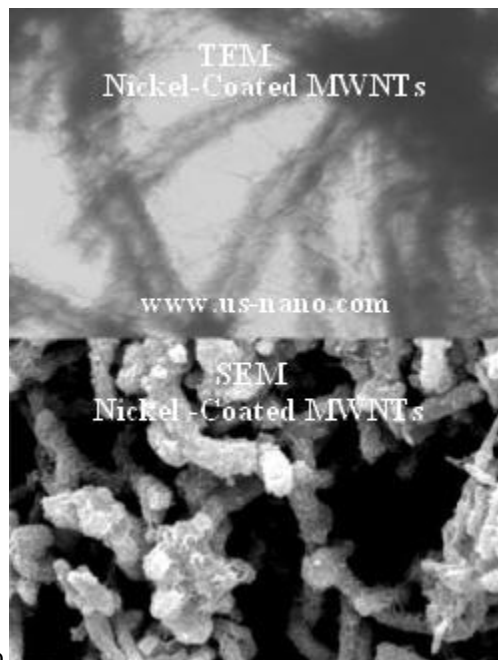
Tap density: 0.27 g/cm³

Manufacturing method: CVD

Flammable Hazards, UN3089

Application

Potential applications of carbon nanotubes are: (1) additives in polymers; (2) catalysts; (3) electron field emitters for cathode ray lighting elements; (4) flat panel display; (5) gas-discharge tubes in telecom networks; (6) electromagnetic-wave absorption and shielding; (7) energy conversion; (8) lithium-battery anodes; (9) hydrogen storage; (10) nanotube composites (by filling or coating); (11) nanoprobes for STM, AFM, and EFM tips; (12) nanolithography; (13) nanoelectrodes; (14) drug delivery; (15) sensors; (16) reinforcements in composites; (17) supercapacitor.



[Certificate of analysis](#)
[MSDS](#)

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