

## Carbon NanoFibers, Purity: >95%, OD: 200-600nm

**Stock#:** US4450

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

### Details:

Carbon Nano Fibers

Purity: > 95 wt% carbon nano fibers (from TGA & TEM)

Outside diameter: 200-600 nm (from HRTEM, Raman)

Length: 5-50  $\mu\text{m}$  (TEM)

SSA: > 18  $\text{m}^2/\text{g}$  (BET)

Ash: < 5 wt% (TGA)

Color: Black

Electrical conductivity: >100 s/cm

Tap density: 0.043  $\text{g}/\text{cm}^3$

True density: 2.1  $\text{g}/\text{cm}^3$

Manufacturing method: CVD

### Application

Potential applications of carbon nanofibers 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.

[MSDS](#)



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