

Technical data

Categories No: TNIMC6

Name: Industrial Grade -COOH Functionalized Multi-walled Carbon Nanotubes

Purity: >90%

-COOH Content: 1.43 wt% (The rate of surface carbon atom: 8-10mol%)

OD:20-40nm [OD=Outer Diameter]

ID: 5-10nm [ID=Inner Diameter]

Length: 10-30um

SSA: >80m²/g [SSA=Special Surface Area]

Color: Black

Tap density: 0.16 g/cm³

True density: ~2.1 g/cm³

EC: >100s/cm [EC=Electric Conductivity]

Making method: CVD

Testing paper



TEM

Application instruction

Potential Applications of Carbon Nanotubes

Additives in polymers

Catalysts

Electron field emitters for cathode ray lighting elements

flat panel display

gas-discharge tubes in telecom networks

Electromagnetic-wave absorption and shielding

Energy conversion

Lithium-battery anodes

Hydrogen storage

Nanotube composites (by filling or coating);

Nanoprobes for STM, AFM, and EFM tips

nanolithography

nanoelectrodes

drug delivery

sensors

Reinforcements in composites

Supercapacitor