

## Technical data

Categories No: TNSMC0

Name: -COOH Functionalized Short Multi-walled Carbon Nanotubes

Purity: >98%

OD: 4-6nm [OD=Outer Diameter]

Length: 0.5-2 $\mu$ m

SSA: 500-700m<sup>2</sup>/g [SSA=Special Surface Area]

Making method: CVD

## 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