

## Technical data

Categories No: TNFIM

Name: Flash-ignited Carbon Nanotubes

Purity: >50%

Fe content: <25%

OD: 2-50nm [OD=Outer Diameter]

Length: ~50um

SSA: >300m<sup>2</sup>/g [SSA=Specific Surface Area]

Color: Black

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