

Technical data

Categories No: TNIM4

Name: Industrial Grade Multi-walled Carbon Nanotubes

Purity: >95%

OD: 10-30nm [OD=Outer Diameter]

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

Length: 10-30um

SSA: >110m²/g [SSA=Special Surface Area]

Color: Black

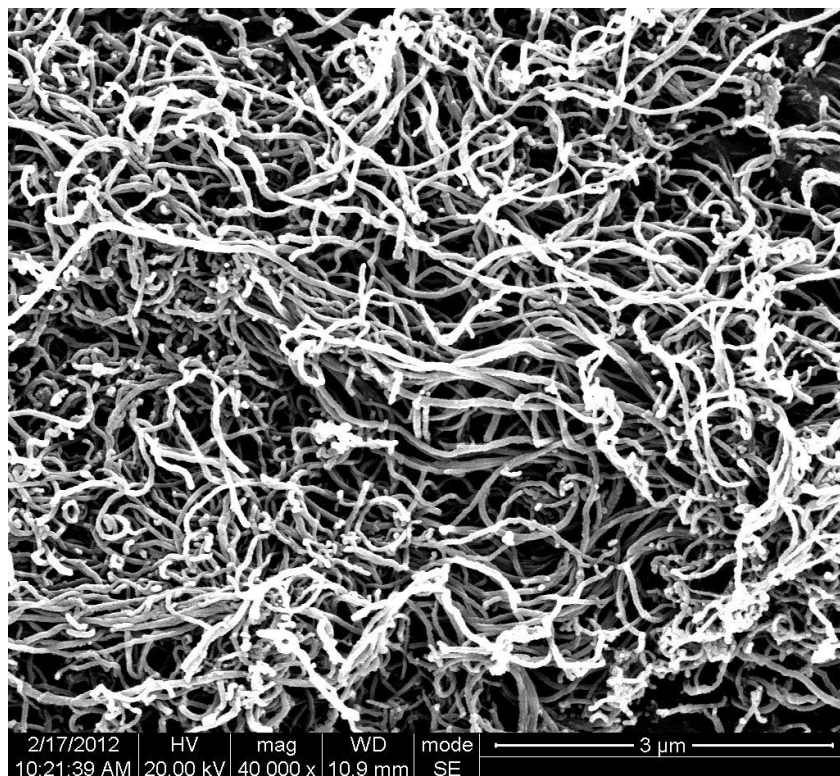
Tap density: 0.14 g/cm³

True density: ~2.1 g/cm³

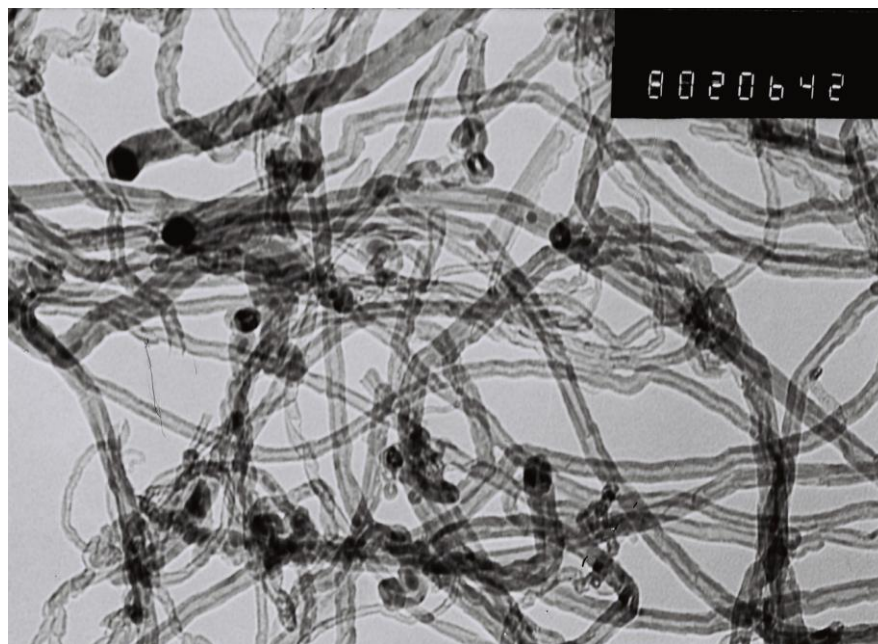
EC: >100s/cm [EC=Electric Conductivity]

Making method: CVD

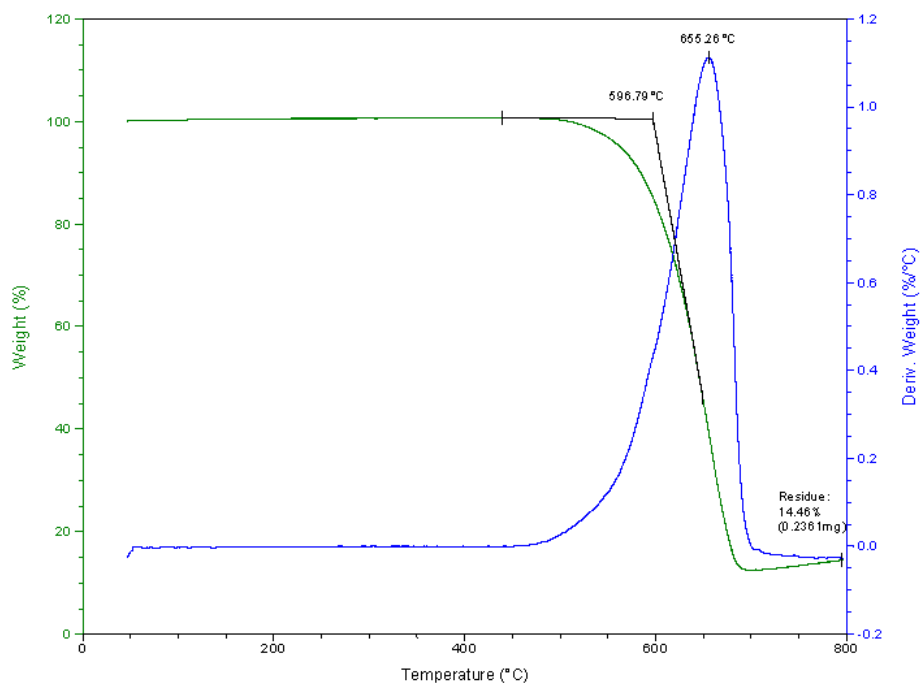
Testing paper



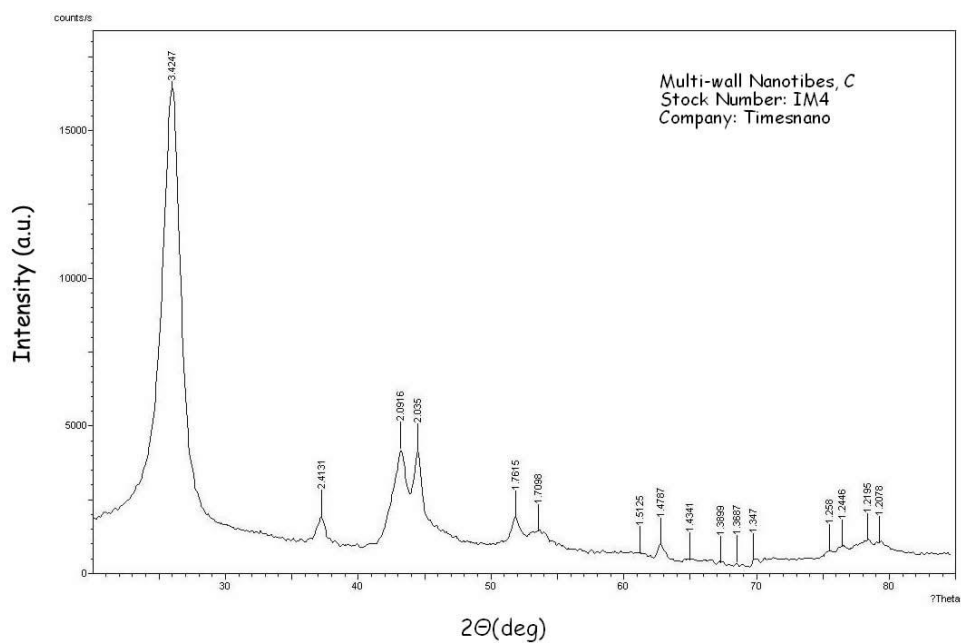
SEM



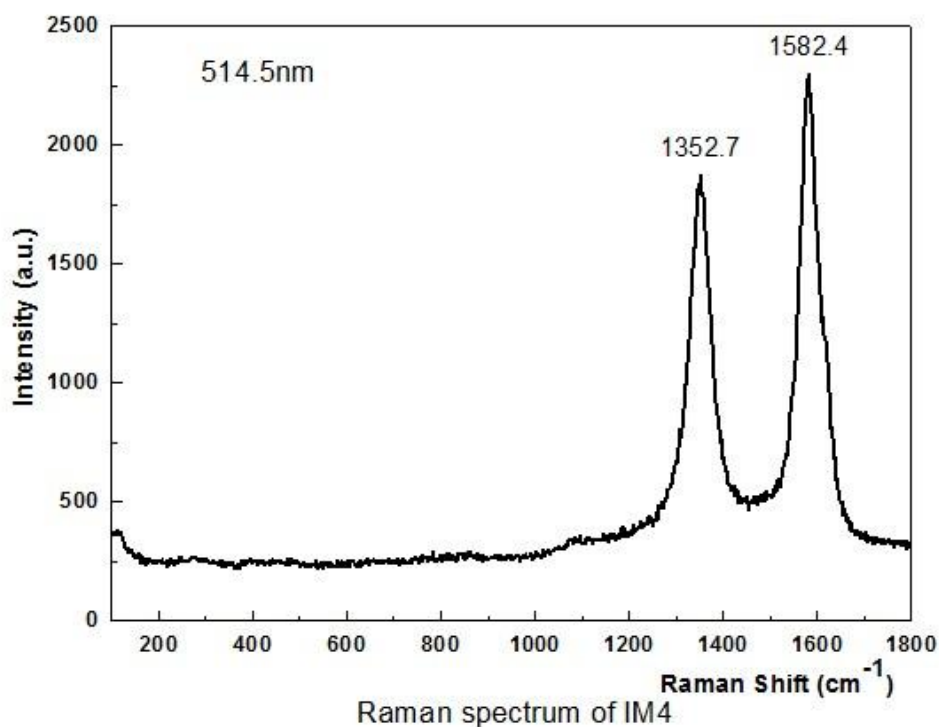
TEM



TGA



XRD



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