

Technical data

Categories No: TNMN2

Name: NH₂ Functionalized Multi-walled Carbon Nanotubes
(MWCNTs-NH₂)

Purity: >95%

- NH₂ Content: 0.45wt%

OD: 8-15nm [OD=Outer Diameter]

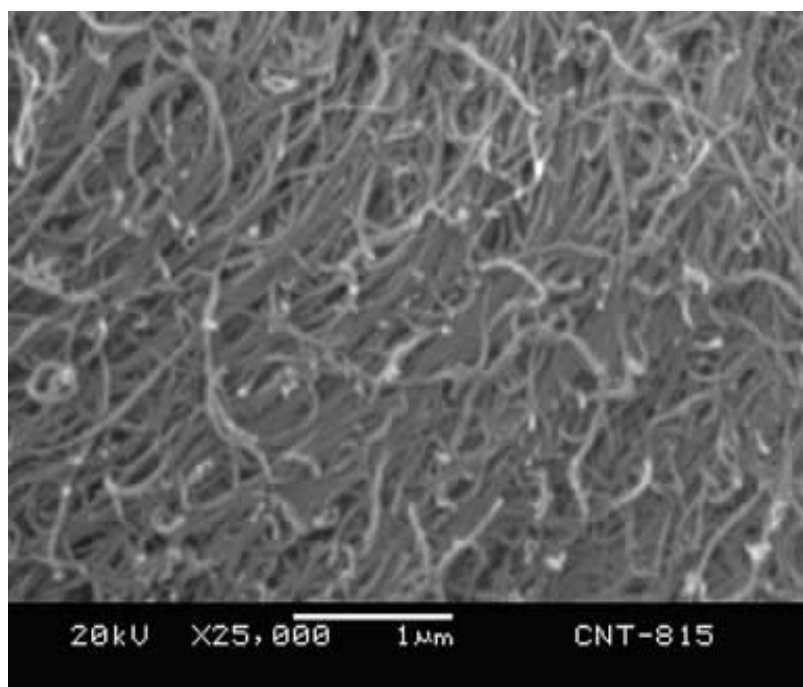
Length: ~50um

SSA: >233m²/g [SSA=Specific Surface Area]

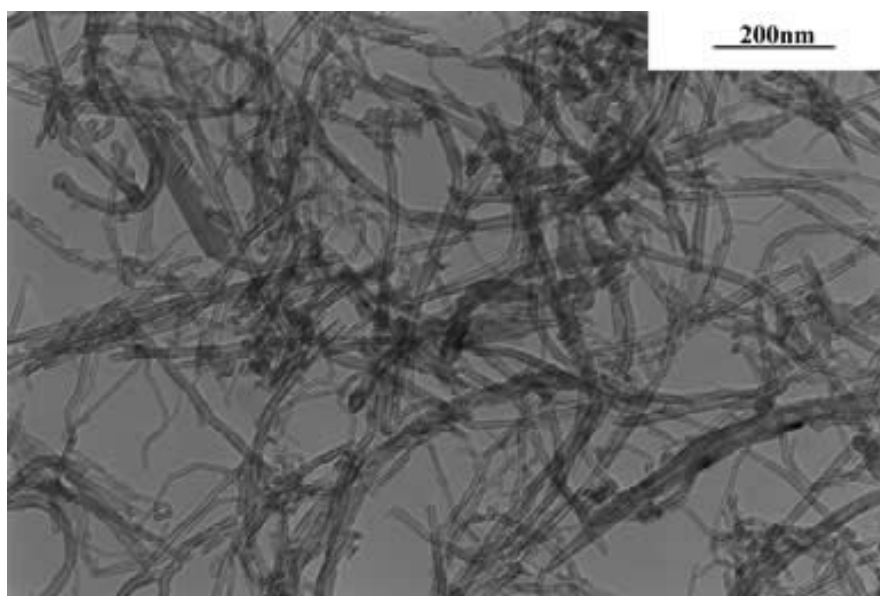
Color: Black

Making method: CVD

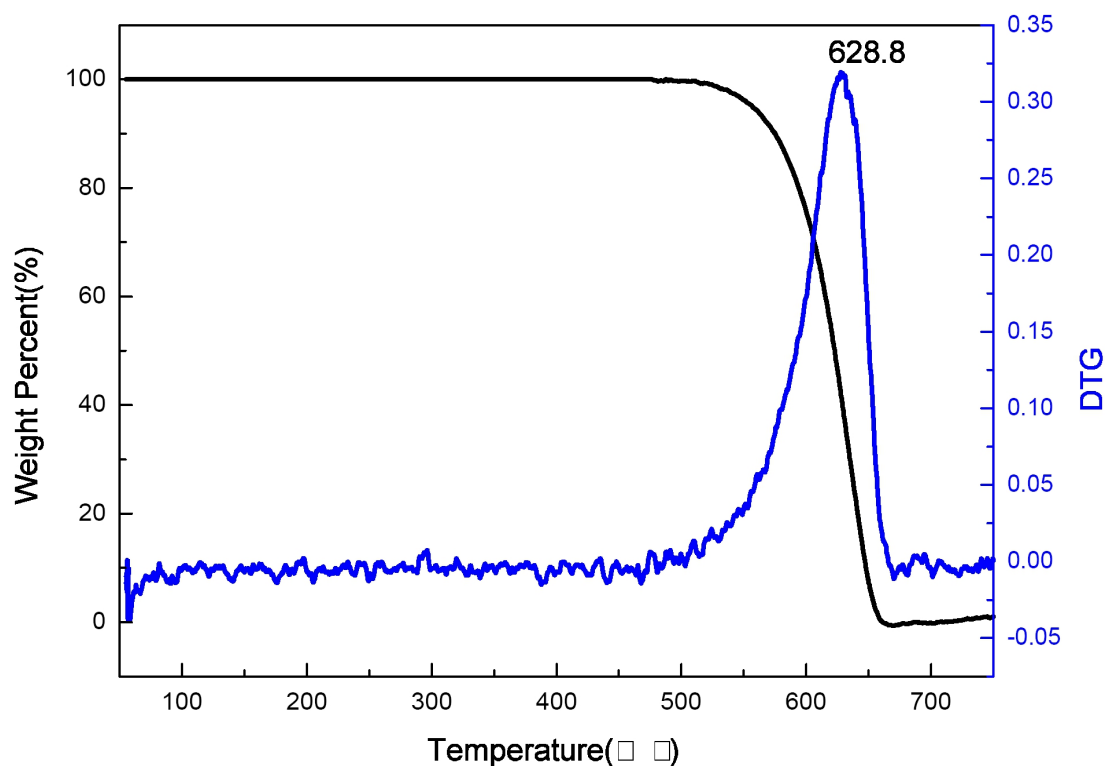
Testing pictures



Scanning Electron Microscopy (SEM)



Transmission Electron Microscopy (TEM)



TG curve of 8-15-NH2 D120223

Components	Contents (%)
C	95.74
N	0.53
H	0.15

Element Analysis Test

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