

Technical data

Categories No: TNST

Name: High Purity Single-walled Carbon Nanotubes

Purity: >95wt%

Diameter: <2nm

Length: 5-30um

SSA: >490m²/g

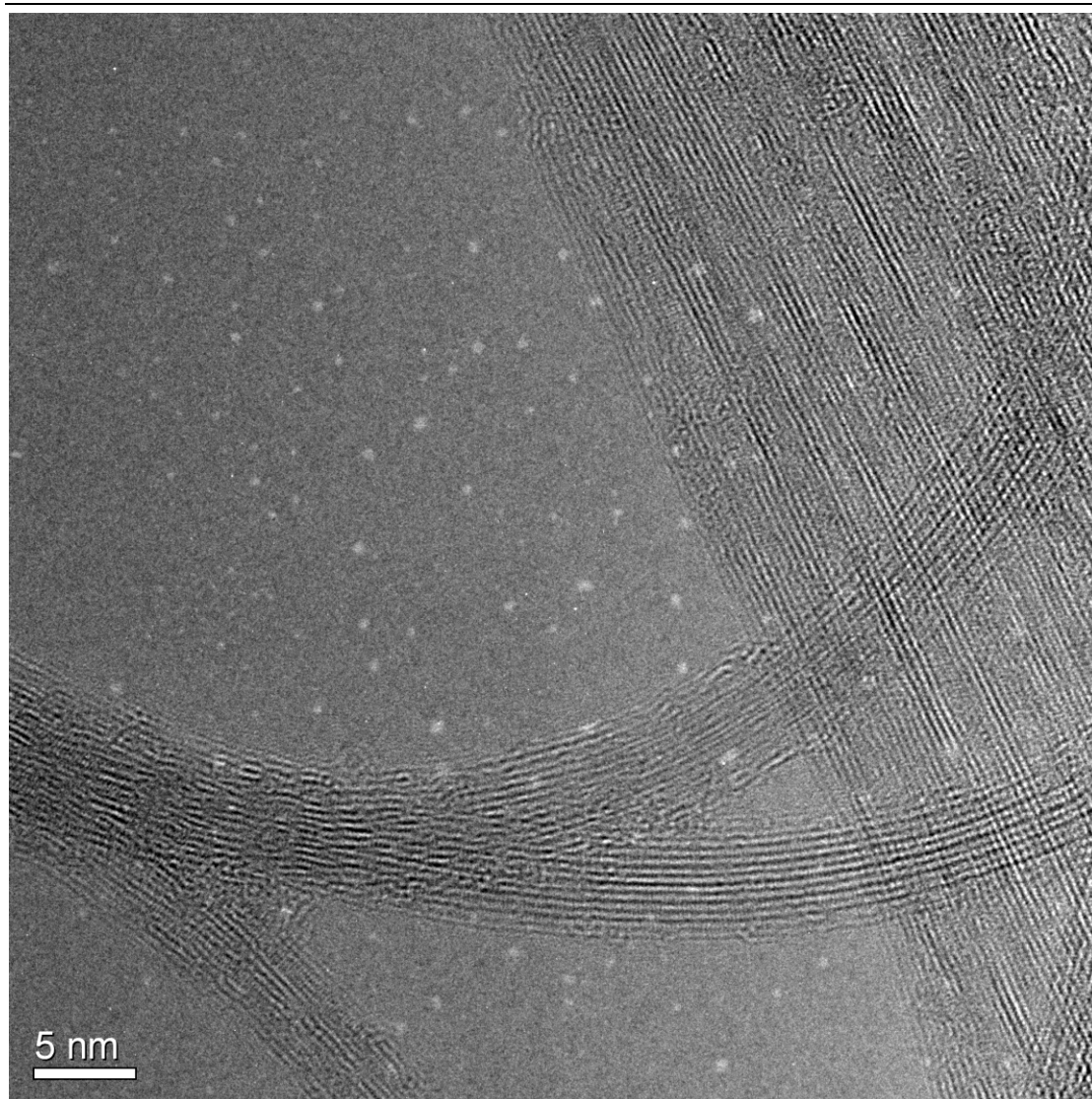
Color: Black

Tap density: 0.14g/cm³

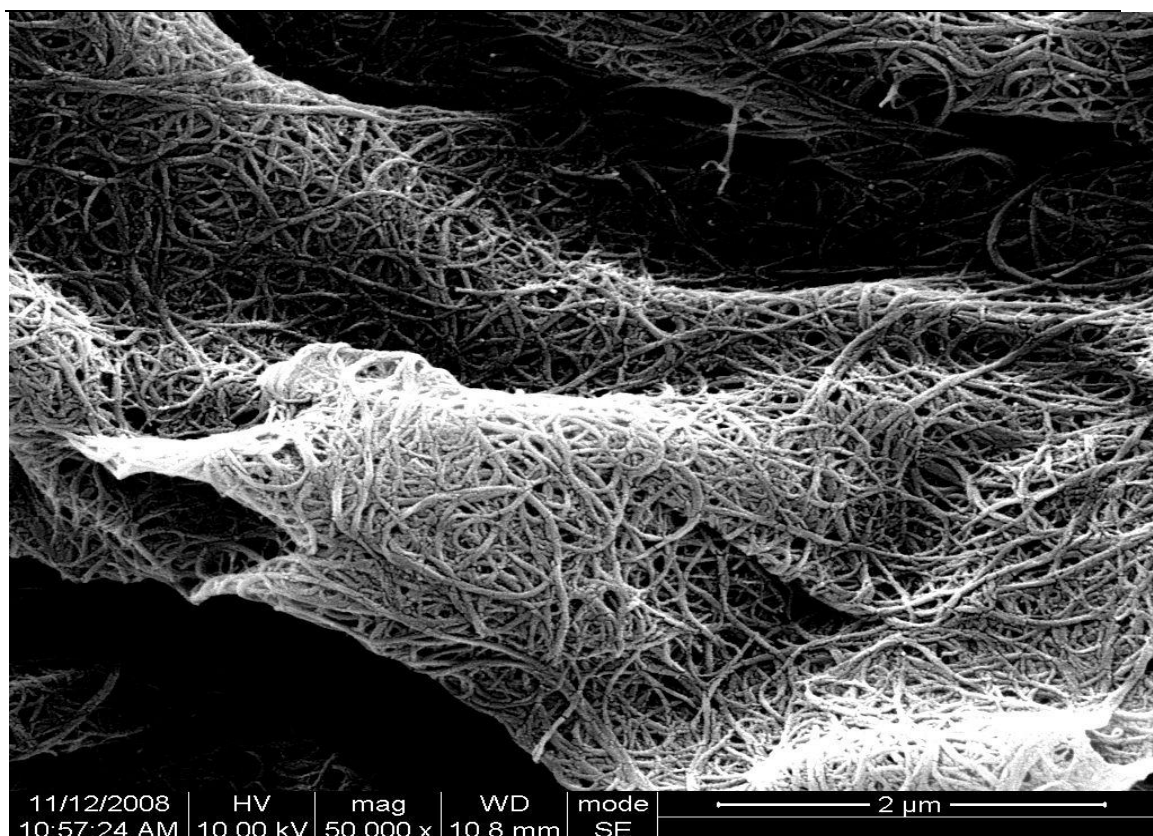
Ture density: ~2.1g/cm³

EC: >100S/CM

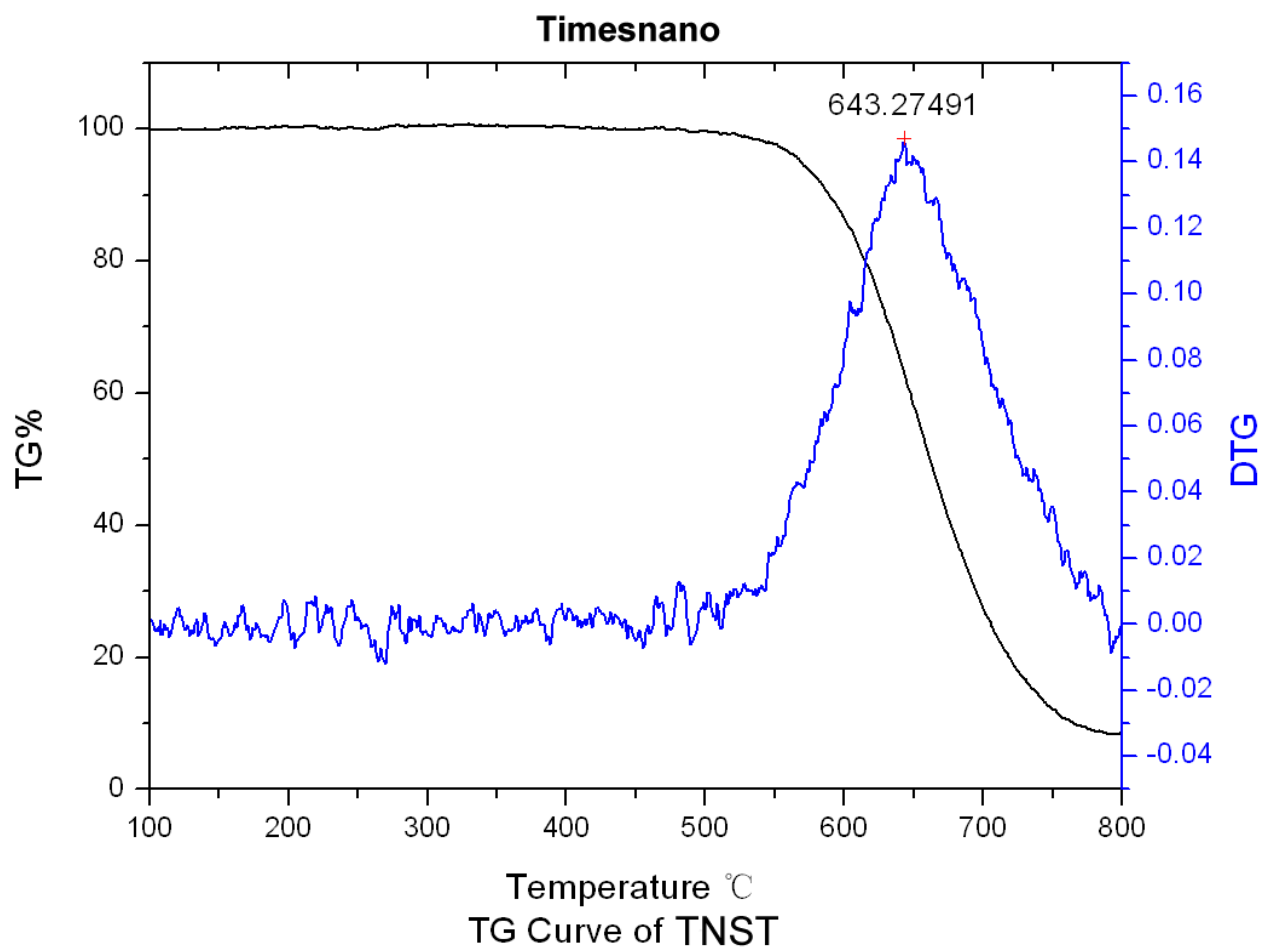
Making method: CVD

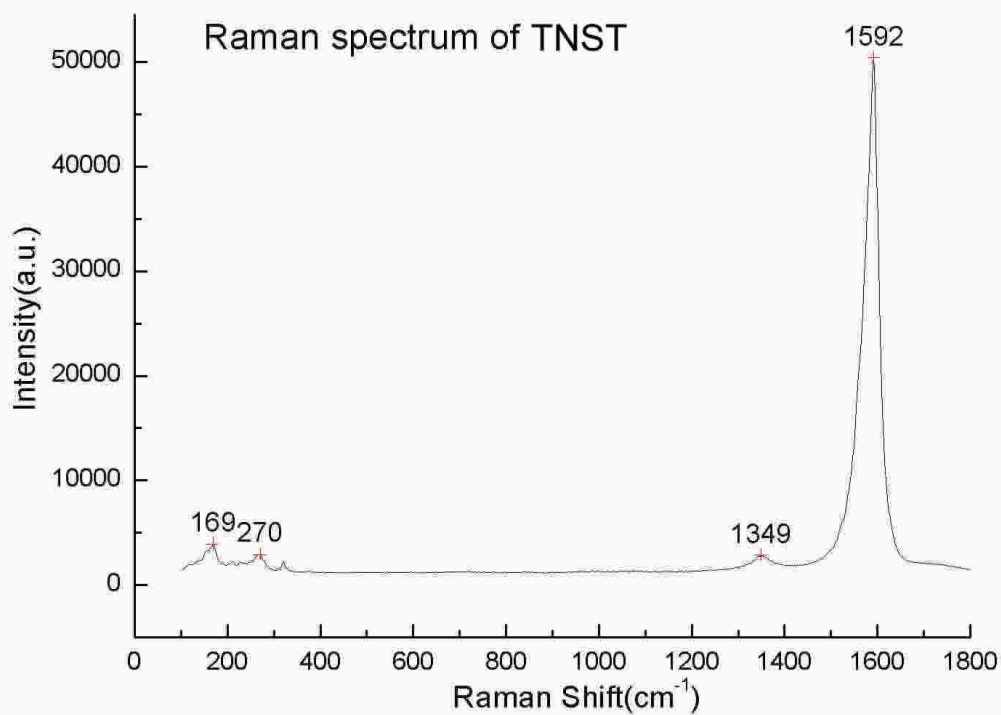


TEM



Scanning Electron Microscopy (SEM)





Components	Contents (%)
C	98.03
O	0.89
Mo	0.03
Co	0.11

(Certificate of Analysis)

Application instruction

TNST is the ideal raw material for CNT-based Transparent Conductive Films for the touch screen, flat panel display, OLED, and thin-film solar industries. Compared with traditional indium tin oxide (ITO) coated films, the CNT-based transparent Conductive Films have the evidently superiority as follows:

- More mechanical robustness for longer lifetime
- The broader and more color-neutral transmittance.
- Reaching higher levels of sheet resistance without losing uniformity
- lower cost