

Multi-Walled Carbon Nanotube Dispersions

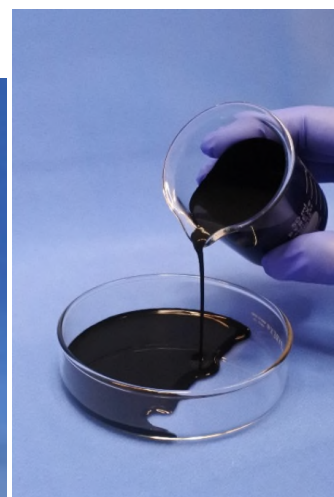
◆ Features

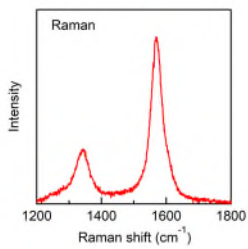
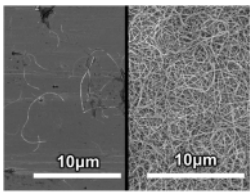
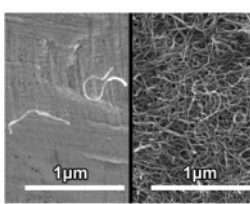
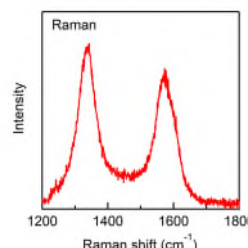
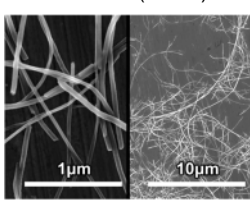
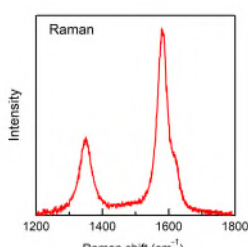
Highly crystallized long multi-walled carbon nanotubes are dissolved in a solvent. The length of the dispersed CNTs ranges several hundred nanometers. The dispersion shows good electrical conductivity at low CNT concentrations.

◆ Application

Electrically conductive film / Thermally conductive film / Heating elements / Electromagnetic shielding / Functional resin molded products / Lightweight structural materials, etc.

◆ Specifications



SKU	Concentration (wt%)	Solvent	Dispersions characteristics	Basic MWCNT characteristics
NTDW100	1.0	Water	CNT length : < 10 (μm)	CNT diameter : 10~40 (nm) CNT length : 0.8~1.2 (mm) Purity : > 98 (%) Specific surface area : 50 (m ² /g) 
NTDIP100	1.0	IPA		
NTDME100	1.0	MEK		
NTDNM100	1.0	NMP		
LIQ-0001	0.5	Water	CNT length : < 2 (μm) Electrical conductivity : 1~2 (mS/m) 	CNT diameter : 9.5 (nm) CNT length : 1~3 (μm) Purity : 90 (%) Specific surface area : 250~300 (m ² /g) 
NTDW0001	0.01	Water	CNT length : < 100 (μm) Electrical conductivity : 0.5~5.0 (mS/m) 	CNT diameter : 10~40 (nm) CNT length : 0.5~1.5 (mm) Purity : > 98 (%) Specific surface area : 50 (m ² /g) 

※ Sales unit : 100ml/bottle

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