Carbon Nanotubes

(ref. DRP-MWCNT / ref. DRP-MWCNTCOOH / ref. DRP-MWCNTNH2 / ref. DRP-SWCNT / ref. DRP-SWCNTCOOH)

Single- and Multi-Walled Nanotubes produced through Chemical Vapour Deposition (CVD). Also functionalised with -COOH and -NH2 groups. They are suitable for mechanical and electrical applications.

They are purified to remove free amorphous carbon deposits and catalyst metallic particles. DropSens Nanotubes present a majority of open ends.

MULTI-WALLED CARBON NANOTUBES

Solid Multi-Walled Carbon Nanotubes are **purified to more than 95% C**. They have an average **diameter of 10 nm** and an average **length of 1.5 µm**.

Amino and **Carboxyl** groups are applied to CNTs to modify their surface chemistry characteristics and to ease their dispersion in solvents.

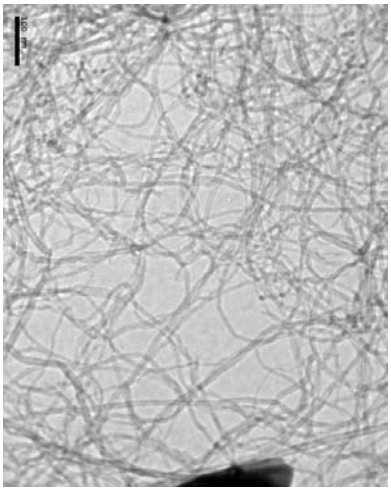
Multi-Walled Carbon Nanotubes (DRP-MWCNT)

COOH functionalised Multi-Walled Carbon Nanotubes (DRP- MWCNTCOOH)

-COOH functionalisation is approx 5%, measured by XPS

NH_2 functionalised Multi-Walled Carbon Nanotubes (DRP-MWCNTNH2)

-NH_2 functionalisation is aprox. 0.5%, measured by XPS



Multi-Walled Carbon Nanotubes

SINGLE-WALLED CARBON NANOTUBES

Single-Walled Carbon Nanotubes are **purified to more than 80% C**.

Specific surface BET > 1000 m^2/g, **diameter of 2 nm**, and length of several microns

Single-Walled Carbon Nanotubes (DRP-SWCNT)

COOH functionalized Single-Walled Carbon Nanotubes (DRP-SWCNTCOOH)

-COOH functionalisation is approx 5% measured by XPS

DropSens Carbon Nanotubes are commercialised in 1 to 100 g packs.

They should be stored at room temperature in a dry place.

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