Carbon Nanotubes

**Dropsens** Single- and Multi-Walled Nanotubes are 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 (Ref. MWCNT)**
- **COOH functionalised Multi-Walled Carbon Nanotubes (Ref. MWCNTCOOH)** -COOH functionalisation is approx 5%, measured by XPS
- **NH₂ functionalised Multi-Walled Carbon Nanotubes (Ref. MWCNTNH2)** -NH₂ functionalisation is approx. 0.5%, measured by XPS

**SINGLE-WALLED CARBON NANOTUBES**

Single-Walled Carbon Nanotubes are *purified to more than 80% C*. Specific surface BET > 1000 m²/g, *diameter of 2 nm*, and length of several microns.

- **Single-Walled Carbon Nanotubes (Ref. SWCNT)**
- **COOH functionalized Single-Walled Carbon Nanotubes (Ref. 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.

**Related products**

- CNTSOL
- 110CNT
- 110SWCNT
- C1110CNT
- C1110SWCNT