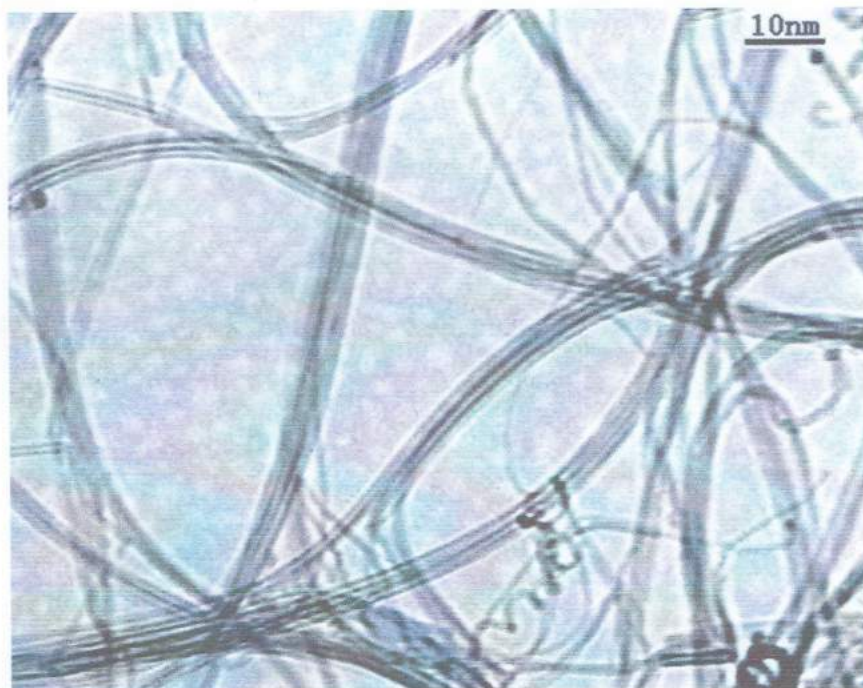




Single Walled-Double Walled Carbon Nanotubes 90



SKU: 0101 Category: [Single Walled Carbon Nanotubes](#) Tags: [Carbon Nanotubes](#), [CNTs](#), [Single Walled Nanotubes](#), [SWCNTs](#), [SWNTs](#)

Single Walled-Double Walled Carbon Nanotubes

Our Single Walled-Double Walled Carbon Nanotubes 90 are made by CCVD and purified using concentrated acid chemistry. Carbon Nanotubes (CNTs) have proven to offer a unique properties of stiffness and strength largely due to their high aspect ratio and all carbon structure. The thermal and electrical conductivity found in CNTs is much higher than that of other conductive or fibrous additive materials. Surfactants are used to stabilize dispersions in DI Water or other aqueous solvent mixtures. The most common surfactants used are PVP, SDS, or SDBS. The carbon atoms in CNTs are arranged in a planar honeycomb lattice structure in which each atom is connected via a strong

chemical bond to the three neighboring atoms. These strong bonds are the reason that the basal plane elastic modulus of graphite is one of the largest of any known material. Having such strong bonds at the atomic level as well as a high aspect ratio, Carbon Nanotubes are expected to be the ultimate high-strength fibers.

Single Walled-Double Walled Carbon Nanotubes Specifications

Outer Diameter: 1-4nm

Inner Diameter: 0.8-1.6nm

Length: 5-30um

Ash: <1.5 wt%

Purity: >90 wt%

Additional MWNT content: >5wt%

Amorphous Carbon Content: <3wt%

Length: 5-30um

Specific Surface Area: 407 m²/g

Electrical Conductivity: >100 S/cm

Bulk density: 0.14 g/cm³

True density: ~2.1 g/cm³



شركة أريج الفرات للتجارة العامة
وتجسير المواد والأجهزة المختبرية المصنوعة

AREEJ AL FIRAT COMPANY
