



Super Conductive Carbon Black Nanopowder and Carbon Nanotube Mixed PRODUCT DATA SHEET

Super Conductive Carbon Black Nanopowder and Carbon Nanotube Mixed

Description

Carbon nanotubes are simple substances composed of carbon atoms and can be regarded as hollow tubular structures formed by the curling of graphene. On the surface of carbon nanotubes, the carbon atoms are bonded to each other in the form of sp^2 hybrid orbitals, which are arranged as hexagonal graphite layers. In theory, this regular hexagonal structure is perfectly evenly distributed over the entire surface of the carbon nanotubes. Topologically, the common structure and properties of graphene and carbon nanotubes are one of the important factors for their similarity. Super Conductive Carbon Black Nanopowder and Carbon Nanotube Mixed has higher electrode conductivity and stronger electrode mechanical strength and adhesive attraction. The product is composed of high electric conductive CNTs and a kind of high conductive carbon black nanopowders. The carbon black nanoparticles can not only prevent dispersed CNTs from reagglomerating, but also exhibit synergetic effect with CNTs.

Abvigen offers high quality super conductive carbon black nanopowder and carbon nanotube mixed. The product has high repeatability between batches, which can meet the needs of various customers for personalized materials such as research and development, testing and production.

For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com **Phone:** +1 929-202-3014 **Email:** info@abvigenus.com

Characteristics

Type: Super Conductive Carbon Black Nanopowder and Carbon Nanotube Mixed

Size: 5 g

Carbon Nanotube

High purity: >97.5%

Outside diameter (D50): 30-100 nm



Length: 5-30 μm

SSA: > 100 m^2/g

Highly Conductive Carbon Black Nanopowder

APS: 5nm-100 nm

Appearance: Black Powder

PH value: 8-10

Tap density: 0.15 g/cm^3

Adsorption value: >580 ml/100 g

Volume resistivity: $2 \sim 5 \times 10^{-4} \Omega \cdot \text{cm}$

Advantages

Higher electrode conductivity

Stronger electrode mechanical strength and adhesive attraction

Super Conductive Carbon Black Nanopowder and Carbon Nanotube Mixed Dosage:

Recommended dosage is usually 1 to 3wt%, Users should be based on different systems to test, and then determine the best dosage for the best use

Ordering Information

Website: www.abvigen.com

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Email: info@abvigenus.com