



Single Layer Graphene Nanoparticles, Water Dispersion PRODUCT DATA SHEET

Single Layer Graphene Nanoparticles, Water Dispersion

Description

Graphene has a two-dimensional structure of a carbonaceous new material, which has excellent electrical, thermal and mechanical properties. Our graphene with a very large surface area $500 \sim 1200 \text{ m}^2/\text{g}$; It is very difficult to be dispersed in a polar or non-polar solvents. Based on our lab experimental results from numerous dispersants screened out, we added one best suitable special dispersant and used a high capacity ultrasonic equipment to disperse our graphene product. After testing, the liquid is a very uniform and very stable graphene water dispersion product.

Abvigen offers high quality single layer graphene nanoparticles, water dispersion. 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: Single Layer Graphene Nanoparticles, Water Dispersion

Size: 5 g/5 ml

Concentration: 1wt%

Graphene purity: > 99.3wt%

Graphene thickness: 0.55 nm - 1.2 nm

Graphene diameter: 1 μm - 12 μm

Graphene specific surface area: 500 - 1200 m^2/g

Graphene color: Black liquid

Concentration: 1wt% (To dilute it to your desired concentration, only add pure water and shake it up!)

The product COA: C=99.6%, O<0.4%

Advantages

Excellent electrical, thermal and mechanical properties



Uniform

Stable

Applications

Lithium-ion battery

Sensor

Catalyst

Ordering Information

Website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com