



## Graphene Nanoplatelets, Water Dispersion, 95% PRODUCT DATA SHEET

### Graphene Nanoplatelets, Water Dispersion, 95%

#### 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 graphene nanoplatelets, water dispersion, 95%. 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](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### Characteristics

**Type:** Graphene Nanoplatelets, Water Dispersion, 95%

**Size:** 30 mL

**Concentration:** 6wt%

**Purity:** 95%

**Thickness:** 2-8 nm, **Average:** 3-6 layers

**Ph:** 6.5-7.5

**Volume Resistivity:**  $4 \times 10^{-4} \text{ ohm.cm}$

**Diameter:** 4-12  $\mu\text{m}$

**The Product COA:** C=99.7%, O<0.3%

**Graphene Specific Surface Area:** 500 - 1200  $\text{m}^2/\text{g}$

#### Advantages

Excellent electrical, thermal and mechanical properties



Uniform

Stable

### **Applications**

Lithium-ion battery

Sensor

Catalyst

### **Ordering Information**

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