



Graphene Nanoplatelets-Silicon Oil Coated, Dry Powder PRODUCT DATA SHEET

Graphene Nanoplatelets-Silicon Oil Coated, Dry Powder

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 ~ 1200 m²/g.

Abvigen offers high quality graphene nanoplatelets-silicon oil coated, dry powder. 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: Graphene Nanoplatelets-Silicon Oil Coated, Dry Powder

Size: 1 g

Purity: 99.5%

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

Volume Resistivity: 4x10⁻⁴ ohm.cm

Diameter: 4-12 μm

Bulk Density: 0.05-0.081 g/cm³

Tap Density: 0.082-0.13 g/cm³

Graphene Specific Surface Area: 500 - 1200 m²/g

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

Advantages

Excellent electrical, thermal and mechanical properties

Uniform

Stable



Applications

Lithium-ion battery

Sensor

Catalyst

Ordering Information

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References

- 1 Texter, J. (2014). Graphene dispersions. *Current Opinion in Colloid & Interface Science*. 19(2), 163-174. <https://doi.org/10.1016/j.cocis.2014.04.004>
- 2 Park, G.D., Kang, Y.C. (2015). Superior Lithium-Ion Storage Properties of Mesoporous CuO–Reduced Graphene Oxide Composite Powder Prepared by a Two-Step Spray-Drying Process. *Chemistry–A European Journal*. 21(25), 9179-9184.