

Graphene Oxide Powder

TDS-GO-P50

Product Technical Information

Introduction

This product is a powder and it contains single layer/multi layer structure graphene oxide, which possesses a lot of functional groups and chemical properties of those groups are very active. Graphene oxide can be considered a non-traditional form of soft material, which possess a property of polymers, gel/colloids, thin films and amphipathic molecule materials. Graphene oxide is quite hydrophilic and it alters/improves its property itself via a chemical reaction from oxygen-containing functional groups it contains. And most important of all, these groups are easy to compound with other organic/inorganic materials and forms a new material and that's why graphene oxide be used/added in all kinds of materials.

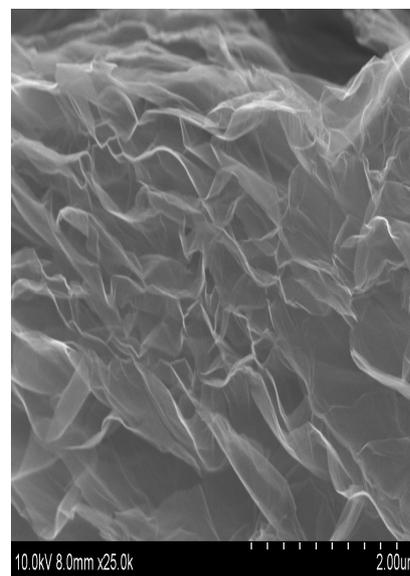
Application Area:

- Composite materials
- Water treatment
- Biochemical battery

Technical Specifications

Technical Parameters

Performance parameters	Specific indicators
Appearance	Brown powder
Purity	99.00w.t.%
C content	≥54.0 w.t.%
O content	≤46.0 w.t.%
D50	45 μm
Average lateral dimension (x,y direction)	>25 μm
Average vertical dimension (z direction)	1.0-1.5nm



*Packing specification: 5 kg/5 L plastic drum

Notices:

1. It should be stored in a cool, dry, well-ventilated place. The temperature should be less than 45 °C, the best storage condition is <10°C refrigeration.
2. It is recommended that full ultrasonic dispersion before using.
3. Wearing suitable respiratory protective mask, chemical safety protective glasses and gloves, enclosed operation,exhaust ventilation is required.
4. If in case it contacts with eyes, flush with plenty of water immediately, seek for medical advice. If it contacts skin, be washed with suds immediately, if any stimulus or other adverse eactions occurs, seek for medical advice.
5. Generally, its chemical properties are stable. Avoiding heat, fire and strong oxidants and reducing matters.