

Single Layer /few-layer graphene Suspension

TDS-GRN1000S

Product Technical Information

Introduction

The product possesses properties such as super-large specific surface area, high strength, high toughness, In addition it contains a small amount of functional groups and hence it is apt to make composite materials with organic or inorganic materials, and serves as a role of electrical conductivity, thermal conductivity, anti-corrosion, pressure-resistant, wear- resistant, toughening, etc.

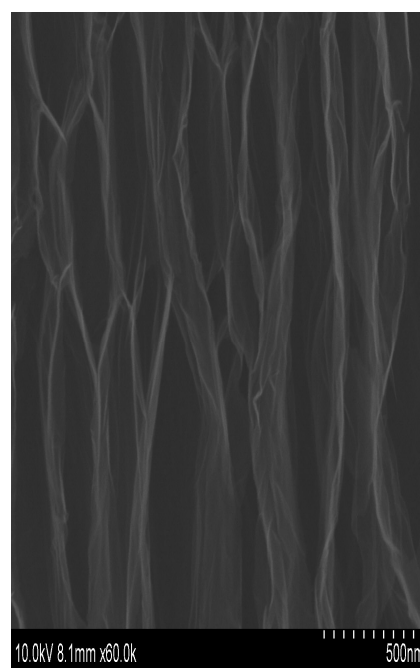
Application Area:

- Flat display /touch screen
- Thermal management
- Communication
- Construction material
- Data storage
- Ink printed circuit
- Sensor
- Energy storage
- Solar battery

Technical Specifications

Technical Parameters

Performance parameters	Specific indicators
Appearance	Light black suspension
Specific surface area	$\geq 450 \text{ m}^2/\text{g}$
C content	$\geq 96.0 \text{ w.t.}\%$
O content	$\leq 4 \text{ w.t.}\%$
D50	15~20 μm
Average lateral dimension (x,y direction)	$\geq 4 \mu\text{m}$
Average vertical dimension (z direction)	0.8-1.2nm



* Packing specification: 30 g/5 L plastic drum

Notices:

1. It should be stored in a cool, dry, well-ventilated place.
2. It should be used gently and be operated in enclosed place with exhaust fan
3. Wearing suitable respiratory protective mask, chemical safety protective glasses and gloves is required.
4. While using water fog, foam, dry chemicals or carbon dioxide to put out fire, wearing suitable respiratory protection equipment is necessary.
5. Generally, its chemical properties are stable. Avoiding heat, fire and strong oxidants.