

Graphene

Multi Layer



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Graphene is an extremely popular material within scientific research. The layer exchange technique enables high-quality multilayer graphene (MLG) on arbitrary substrates, which is a key to combining advanced electronic devices with carbon materials. Multilayer graphene has a wide range of uses and can improve the conductivity, heat conduction, heat preservation, light/heat stability, strength and wear resistance of materials. Multilayer graphene (MLG) has excellent characteristics, such as high electrical/thermal conductivities and current-carrying capacity exceeding that of Cu. Therefore, application of MLG on arbitrary substrates is expected in various applications, including transparent electrodes, low-resistance wiring, and heat spreaders.

Quick Facts

Catalogue No	: NS6130-03-365 (Shine-55)
CAS No	: 1034343-98-0
Flake Size	: 1-5µm (D: 50)
Purity	: 99.9%
Grade	: Research, Lab, Industrial
Form	: Powder

Available:
Single-Layer-Graphene

Multilayer-Graphene

Functionalized Graphene

Graphene Reduced Oxide

Nanoplatelets, Ink, Paste, Paint

Specification




Molecular Formula	Bulk Density	Density	Melting Point	Boiling Point
C	12.01g/cm ³	~0.01g/cm ³	3452-3697°C	4830°C

Applications

- ✓ Electronic communication: display, tablet, integrated circuit, sensor.
- ✓ Energy electrode materials: solar cells, fuel cells, lithium-sulfur batteries, super capacitors.
- ✓ Cooling material: backlight template, automotive electronic control unit, home appliances, LED lighting.
- ✓ Other uses: next-generation semiconductors, ultra-light materials, biomedicine, new energy.

Packing Sizes: 5Gms, 10Gms, 50Gms & Bulk Orders

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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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