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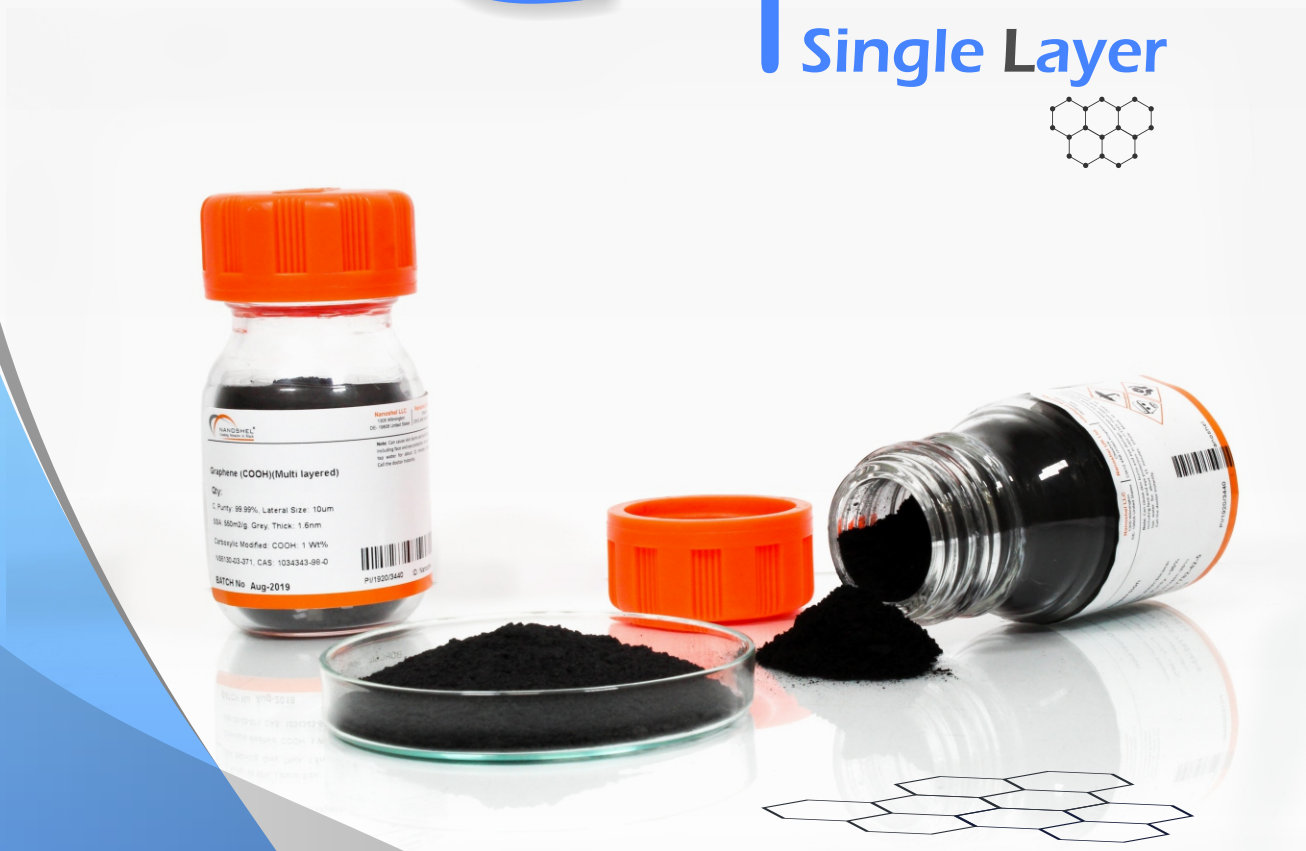
NANOSHEL
Creating Miracles in Black

Graphene

Single Layer



NEXT

Graphene

Single Layer

Single-layer graphene has emerged as a highly capable material that has the ability to replace outdated technologies and benefit countless industries. Incredibly lightweight yet highly durable, graphene is able to conduct a high level of electricity through a minuscule amount of material. The outstanding properties can lead to novel or improved technologies to address the pressing global challenges in transparent conducting electrodes, transistors, ultrathin electromagnetic shielding film, osmotic energy production, highly selective single molecule gas detection, desalination, DNA sequencing, etc Also, graphene show some promising applications such as optical electronics, photovoltaic systems, composites and others.

Quick Facts

Catalogue No	:	NS6130-03-364
CAS No	:	1034343-98-0
Thickness	:	1.6nm
Lateral Size	:	10μm
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/cm³	~0.01g/cm³	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.

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

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ISO 9001:2015
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