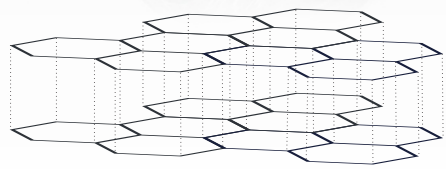


Graphene

Nanoplatelets



Graphene

Nanoplatelets

The interest in using graphene nanoplatelets as fillers for polymeric nanocomposites has increased in the last decade. Graphene nanoplatelets included in the range of advanced materials known to science. It is also known by graphene nanoparticles. These are microscopically tiny stacks of graphene which is set to replace conventional electronic components made from silicon. Graphene is also known as the 'wonder material' due to its immensely impressive properties, such as highest tensile strength, and excellent electrical and thermal conductivity. Graphene nanoplatelets also improve barrier properties and surface toughness of composites.

Quick Facts

Catalogue No	: NS6130-12-000298
CAS No	: 1034343-98-0
Lateral Size	: ~5 μ m (\pm 3%)
Thickness	: 2-4nm
Purity	: 99.5%
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	SSA
C	~0.10g/cm ³	~2.3g/cm ³	3652-3679°C	20.40m ² /g

Applications

- ✓ Graphene Nanoplatelets are used in ultra-capacitor electrodes.
- ✓ Graphene Nanoplatelets are used in anode materials for lithium-ion batteries.
- ✓ Graphene Nanoplatelets are used in conductive additive for battery electrodes.
- ✓ Graphene Nanoplatelets are used in electrically conductive inks.
- ✓ Graphene Nanoplatelets are used in thermally conductive films and coatings.
- ✓ Graphene Nanoplatelets are used as an additive for lightweight composites.
- ✓ Graphene Nanoplatelets are used in films or coatings for EMI shielding.

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

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20ZICE4589C



19ZAZGO1274G



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