

Graphene - D

Industrial Grade



We Produce industrial grade Graphene (ADG-D)nanoplatelets in bulk quantity by chemical exfoliation methods and further treat it for purification with multiple quality checks.



THICK: ~5-10 nm

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PRODUCT FEATURES

ADG-D

Purity: >99%

Advantages

- ▶ Improves Electrical, Thermal conductivity and Mechanical stability
- ▶ Used to improve the properties of Polymer
- ▶ Used to improve the properties of Paints and Coatings
- ▶ Good Mechanical, Electrical, and Thermal properties
- ▶ Small addition will improve the properties of Matrix

Applications

Used to improve
the properties of
polymers composite

Used to improve
the properties of
Thermoplastics

Used to
improve the
properties of Tyres

Used to
make
Advance concrete

Used to improve
the properties of
Automobile components

Used to
make
Anti-corrosion

Used in
Paints &
Coatings

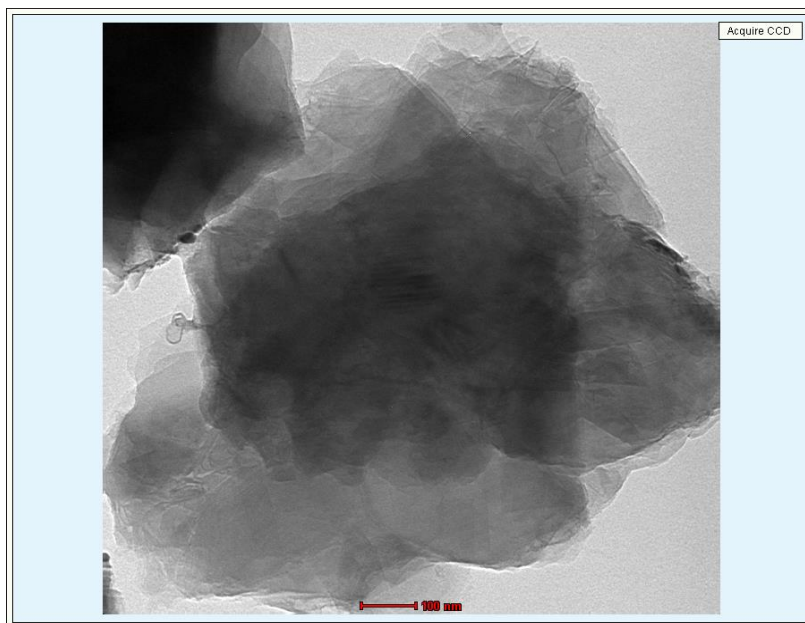
Used in
dispersions
and inks

Used in
Solar panels

TECHNICAL DATA SHEET

SPECIFICATION

ADG-D	DESCRIPTION
PURITY	>99%
PARTICLE SIZE	D50: < 1-2 μm
THICKNESS	5-10 nm
BULK DENSITY	0.166 g/cm ³
PHYSICAL FORM	POWDER
COLOUR	GREYISH BLACK
SURFACE AREA	~ 110 m ² /g
CAS NO.	1034343-98-0



DISCLAIMER

The values are typical and are for very general guidance and must not be used as a basis for specifications as concrete. Information contained in this publication, and otherwise supplied to users, is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Please refer to MSDS of respective product for safe use.