



Reduced Graphene Oxide

Product Catalogue

Call Us: +91-8007799090 | +91-9765849656

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Working

We make Reduce Graphene Oxide by reducing graphene oxide, which must be taken into account once most of the oxygen groups are removed. The Reduced Graphene Oxide (rGO) results from the accurate processing of the innovative material known as graphene. It enables you to get the best quality graphene sheets. The carbon-to-oxygen ratio (C/O) of rGO is higher than the graphene-oxide, which contains the least oxidized carbon atom. It is highly conductive to electricity and heat. Several thermal, electrical or chemical methods help produce commercial rGO.

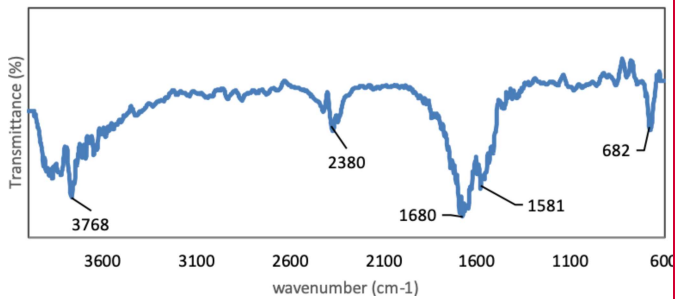
Product Code: Red-Graphox

Technical Properties:

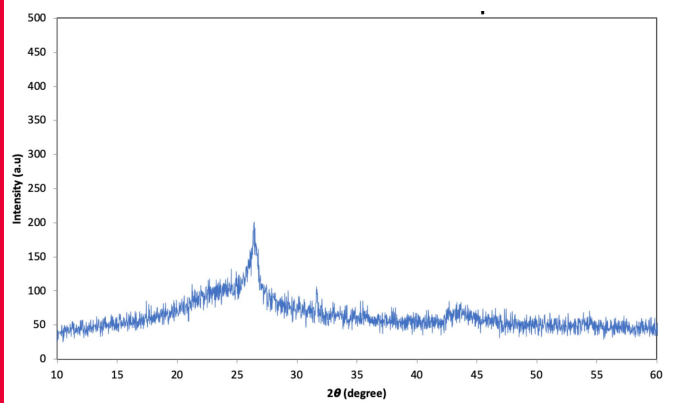
<i>SPECIFICATIONS</i>	<i>VALUES</i>
Bulk Density	0.03 g/cm ³
Diameter Average X & Y Dimensions	5-10 μ m
Thickness Average Z Dimension	0.8 - 2 nm
Carbon Purity	85-92%
Oxygen Content	5-10%
Hydrogen Content	1-2%
Nitrogen Content	1-2%
Sulfur Content	<1%
Form Factor	Powder/Flack
Colour	Black
Number of Layers	Average number of Layer 1 - 3 layers
Surface Area	80-200 m ² /g
Physical Form	Fluffy, Very Light Black Powder
Chemical Formula	C
Cas No.	7782-42-5

Characterization Analysis

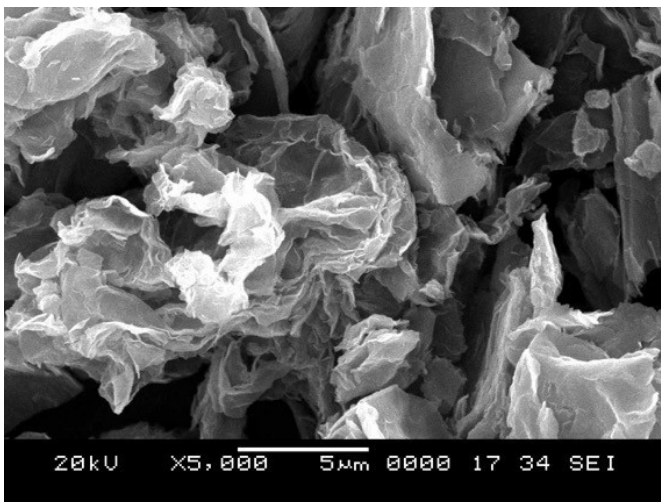
FTIR



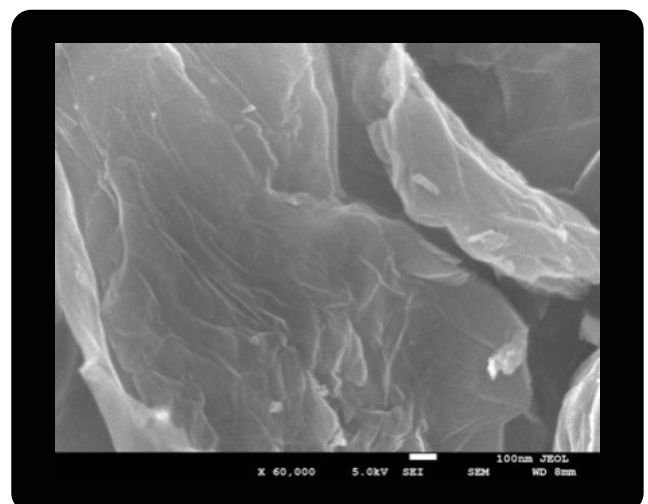
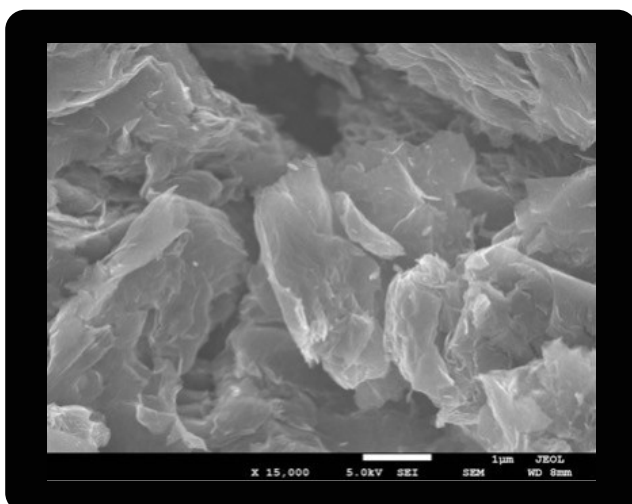
XRD



RAMAN



FESEM



Applications

- Improve the properties of polymers composite
- Improve Power and Energy Density and Also Extend Battery Cycle Life
- Used To Make Anti-Corrosion Coatings
- Used To Make Chemical Sensors
- Used To Make Anti-Barrier Coatings
- Improve Properties of Concrete
- Use To Make RFID Coatings
- Improve The Properties of Elastomers
- Improve Mechanical, Electrical Properties of Paints & Coatings

Features

- Improves electrical, thermally conductive, and mechanical stability
- High purity
- Ultimately High Purity
- Small Addition will improve the properties of the matrix
- Excellent aspect ratio
- Low density and Light Weight

Safety Instructions

- Protective gloves should be worn at the time of operation.
- Safety goggle is a must during handling.
- Do not touch any part of the skin or eyes while using.
- Store in a moisture-proof dry place.

Packaging

It is supplied in a highly-protective moisture-proof bottle with a seal. Generally, the bottle has been packed with a heatlon sheet into the corrugated boxes.

Handling

When handling, the operator should use powder-free non-latex gloves, which should be held carefully. While experimenting, if the operator uses nanoplatelets with bare hands, the chances of contamination due to finger oil are very high. Therefore, it is advised to use nylon or polyester gloves.



Feel Free to Reach Us

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