

Technical Data Sheet

IENT Material Graphene Oxide Research Grade

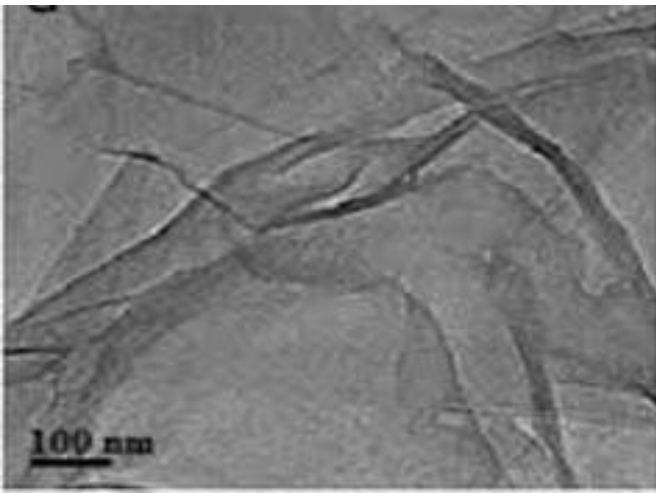
“Graphene is an allotrope of carbon whose structure is a single planar sheet of sp² bonded carbon atoms that are densely packed in a honeycomb crystal lattice”.

We supply Graphene Oxide of high quality at very competitive price. We also provide Graphene Oxide in various forms and its relative technologies to fulfil the demands of our customers.

Parameters	Description
Thickness	~1-4 nm
Available form	Greyish Black powder
Lateral Dimension	5-10 μ
Purity	>99%
Layers	3-7
Electrical Conductivity	Insulator
Specific Surface area	~200 m ² /g
Bulk density Carbon 76%	0.42g/cc
Oxygen	24%
Others	1%

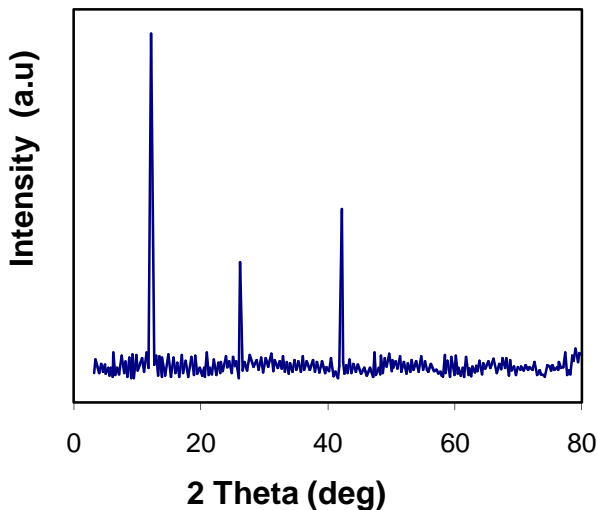
Graphene Oxide is supplied in small quantity for Researchers and in bulk quantity for Companies or Institute for application development at a very affordable price.

Please contact us for a quotation. Our products are suitably packed in secure, tamper-proof enclosures.



TEM image showing good quality few layer Graphene Oxide with typical two dimensional Structure different layer thickness.

XRD pattern for IENT GO



XRD Pattern of Graphene Oxide Powder showing a pristine nature of these products which indicates the presence of few-layer graphene oxide flakes, which are typically below ten layers in thickness.

Advantages of working with IENT Inc.

- Manufacture of high quality, low defect graphene Oxide.
- Scaled process supporting tonnage orders.
- Range of graphene Oxide products to suit your application.
- Graphene Oxide products are available in a range of platelet sizes; from 20 to 40 microns.
- Dispersed graphene oxide products are available.
- Unique, high performance fire-retardants and concrete strengthening additives.
- Fire- retardant coating products.
- Concrete additives for increased strength.

IENT Inc. is actively working with a range of customers and partners to develop a range of graphene products.

Please talk to us about your graphene needs.

LIMITED WARRANTY INFORMATION

The information contained herein is offered in good faith and is believed to be accurate at the time of printing. This information should not be used as a substitute for your own quality control and/or testing procedures to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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