

## Technical Data Sheet

### IENT Material Graphene Oxide Research Grade

“Reduced Graphene Oxide is an allotrope of carbon whose structure is a single planar sheet of  $sp^2$  bonded carbon atoms that are densely packed in a honeycomb crystal lattice”.

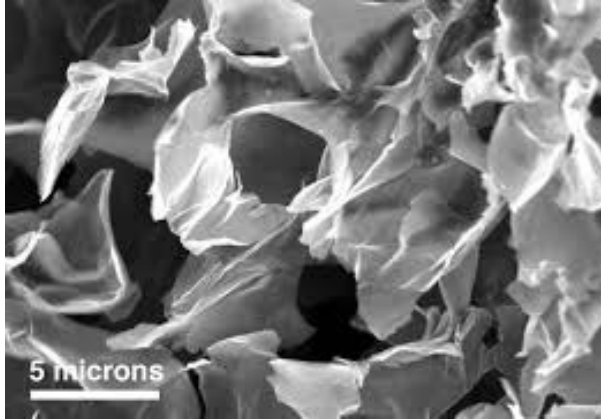
We supply Reduced Graphene Oxide of high quality at very competitive price. We also provide Graphene Oxide in various forms and its relative technologies to fulfil the demands of our customers.

Parameters	Description
Thickness	~0.8-2 nm
Available form	Greyish Black powder
Lateral Dimension	6-10 $\mu$
Purity	>98%
Layers	3-6
Electrical Conductivity	Insulator
Specific Surface area	~130 $m^2/g$
Bulk density Carbon 76%	0.49g/cc
Composition	Carbon >90%, Nitrogen < 5%, Oxygen < 5%

Reduced Graphene Oxide is supply in Small Quantity for Researchers and In bulk quantity of Reduced Graphene Oxide companies or institutes for application developments at very cheapest price. please contact us for a quote. Our products are packaged in suitable, secure, tamper proof enclosures. We have free delivery of Reduced Graphene Oxide in India and also we can deliver globally. Please contact us for a quotation. Our products are suitably packed in secure, tamper-proof enclosures.

## 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.**



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

**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.

### **DISCLAIMER**

*The values are typical and are for very general guidance and must not be used as a concrete basis for specifications. 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 regarding 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 MSDS of respective product for safe use. Please contact INSITUTE FOR ENVIRONMENTAL NANOTECHNOLOGY for technical inquiries. It is the responsibility of the customer to ensure that the use complies with all relevant regulations and specific applications.*

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