

Reduced Graphene Oxide



We make Reduced Graphene Oxide by the reduction of graphene oxide, it has to be taken into account once most of the oxygen groups are removed.

adnano[®]
Technologies

Reduced
Graphene
Oxide

AD-RGO

Net Weight

www.ad-nanotech.com

~1 Gram

AD-RGO

THICK: ~0.8-2 nm

AdNano Technologies Pvt. Ltd.,

#31L, 2nd Cross, KIADB Machanahalli Industrial Area,
Shivamogga - 577 222, Karnataka, INDIA

+91 82967 34214/15

www.ad-nanotech.com

info@ad-nanotech.com



PRODUCT FEATURES

RGO

Purity: ~99%

Advantages

- ▶ High aspect ratio, Very thin exfoliated sheet
- ▶ Ultimately High Purity
- ▶ Improves mechanical Properties.
- ▶ Improve Electrical Properties.
- ▶ Enhance Thermal Conductivity.
- ▶ Small Addition will improves the properties of matrix

Applications

Small Quantity Used To Make
Anti-corrosion Coatings

Used To Improve The Properties
Of Polymer

Improve Power And
Energy Density And Also
Extend Battery Cycle Life

Used To Make
Chemical Sensors

Used To Make
Anti-barrier Coatings

Very Minute Quantity Can
Improve Properties Of
Concrete

Use To Make
Rfid Coatings

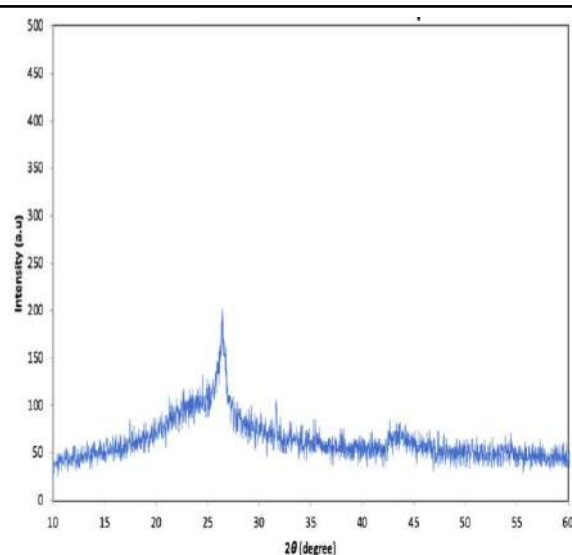
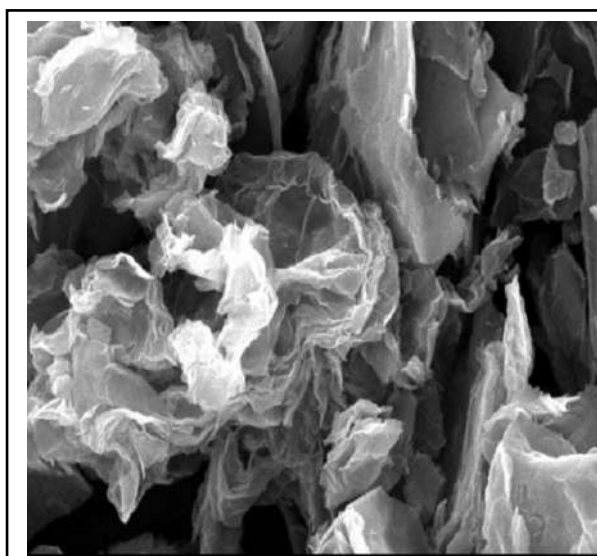
Used To Improve The
Properties Of Elastomers

Small Quantity Can Improve
Mechanical, Electrical Properties
Of Paints & Coatings

TECHNICAL DATA SHEET

SPECIFICATION

AD-RGO	DESCRIPTION
PURITY	~99%
THICKNESS	~ 0.8-2 nm
C:O RATIO	~ 90:10
BULK DENSITY	0.014 g/cm ³
PHYSICAL FORM	FLUFFY POWDER
COLOUR	BLACK
SURFACE AREA	~ 400 m ² /g
CAS NO.	7782-42- 5



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.