

# Graphene Oxide



Graphene Oxide (GO) is produced from Modified Hummers Method. Go is an oxidised form of Graphene, laced with oxygen containing groups. Purified with multipoint of quality checks.



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](http://www.ad-nanotech.com)

[info@ad-nanotech.com](mailto:info@ad-nanotech.com)



# PRODUCT FEATURES

# GO

Purity: ~99%

## Advantages

- ▶ Easy dispersibility in water and other organic solvents, as well as in different matrixes.
- ▶ Improves Mechanical properties
- ▶ Improves Barrier Properties
- ▶ Improve Thermal properties.

## Applications

Used To Improve The  
Properties Of Concrete

Used For  
Water Desalination

Used In Solar Cells

Used In Flexible Electronics

Used To Make  
Anti-barrier Coatings

Used For Chemical Sensors

Very Minute Quantity Can  
Improve Properties Of  
Polymers

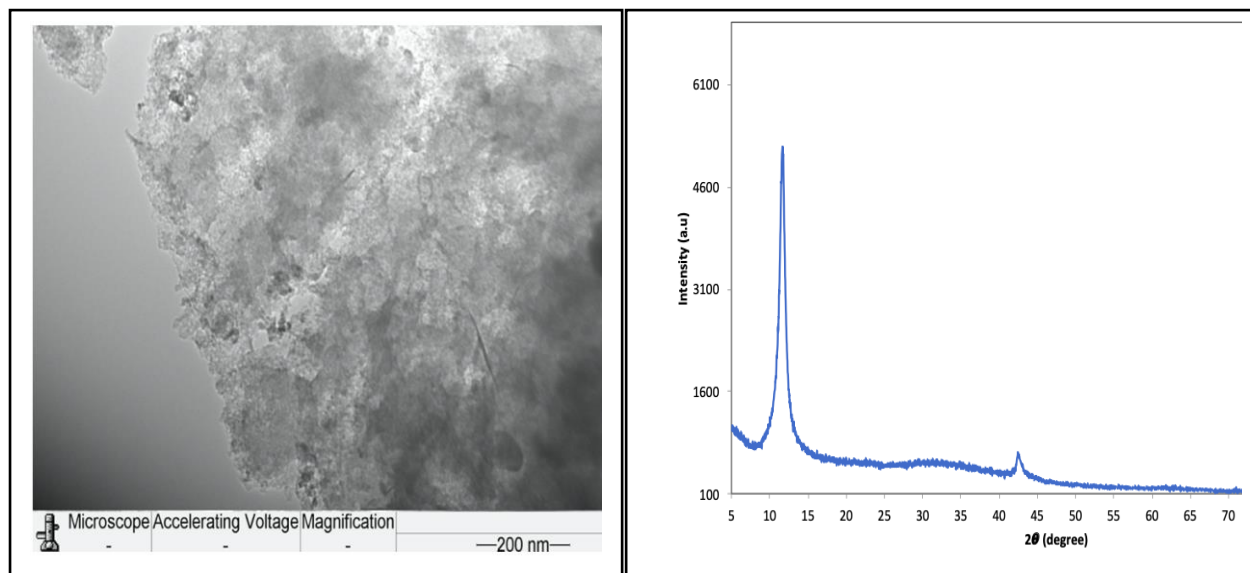
Used To Improve The  
Properties Of Elastomers

Small Quantity Can Improve  
The Properties  
Of Paints & Coatings

# TECHNICAL DATA SHEET

## SPECIFICATION

AD-GO	DESCRIPTION
PURITY	~99%
PARTICLE SIZE	D50: < 10 $\mu$ m
THICKNESS	0.8 – 2 nm
C:O RATIO	~55:45
BULK DENSITY	0.8-1 g/cm <sup>3</sup>
PHYSICAL FORM	POWDER
COLOUR	YELLOW - BROWN
SURFACE AREA	~120 m <sup>2</sup> /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.