



11, Gujarat Laghu Udhog Vikas Mandal
Estate, Nr. Shani Dev Temple, Dhobighat
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Gujarat

GRAPHENE OXIDE

Description

Graphene Oxide has very high interlayer spacing compared to its parent graphite while retaining the original lattice graphitic structure which gives results in enhanced mechanical and chemical properties. Our precisely controlled production process makes GO with a sheet size ranging from few nanometers to 100 μm .

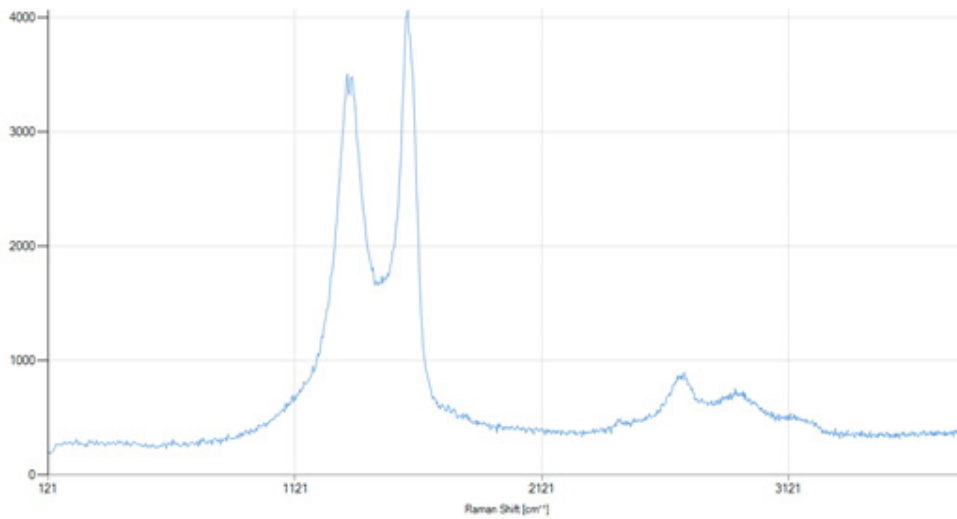
Applications

- Cement Mortar
- Composites
- Barrier Coating
- Surface Functionalization
- Electronic Sensors

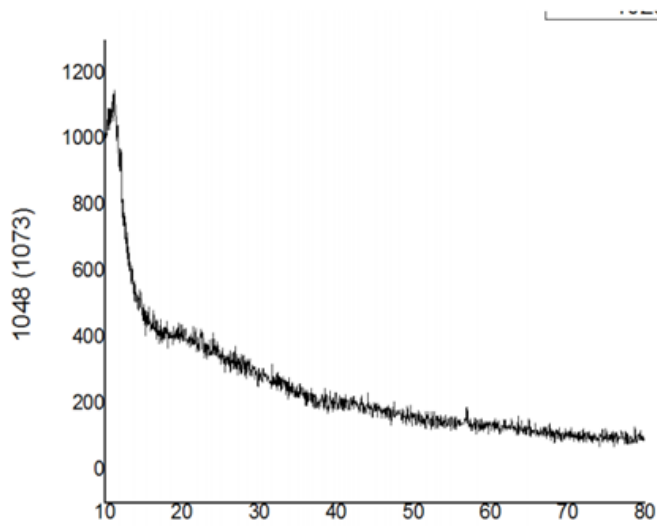
Properties

Appearance	Dark Brown / Black
Purity	> 98%
Oxygen	51 – 63 %
Carbon	40 – 55%
Hydrogen	0.5 to 3 %
Sheet Thickness (nm)	0.8 to 2
Lateral size	few nm to 100 micron
Bulk Density (gm^3/cc)	1.8 – 2.1
Electrical conductivity	Insulator
Solubility	D.M Water or Polar solvents
pH	1-5 (depending on concentration)

Raman Spectroscopy Result



XRD Result



SEM Test Image

