



Reduced Graphene Oxide Powder rGO

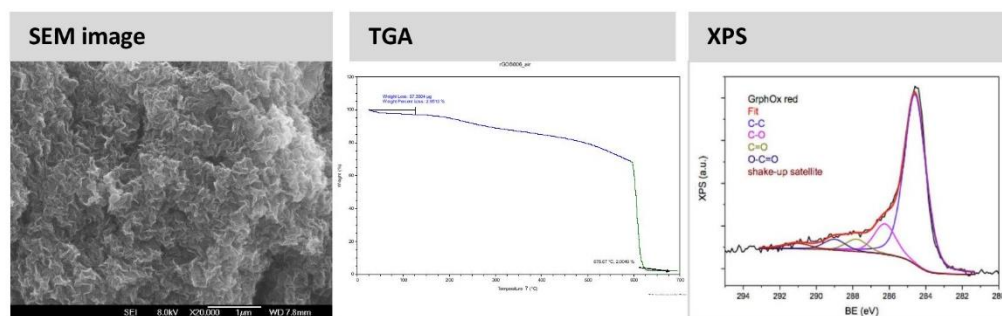
Properties

Form	Powder
Particle size (laser diffraction)	D90 10-15 μ m
	D50 4-6 μ m
	D10 1-3 μ m
Reduction method	Chemically reduced
Color	Black
Odor	Odorless
Solubility	Insoluble
Dispersability	low concentrations (<0.1mg/mL) in NMP, DMSO, DMF
Humidity (Karl Fisher, TGA)	3.7-4.2%
Electrical conductivity	\approx 667 S/m (*)
BET surface area	423-498 m ² /g
Apparent Density	0.06-0.09 gr/mL

(*) Measured in a 20nm thickness film

Elemental Analysis

Carbon	80-87%
Hydrogen	0-1%
Nitrogen	0-1%
Sulfur	0-1%
Oxygen	13-17%



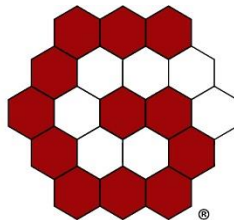
Description: Reduced Graphene Oxide Powder (rGO) is obtained by reducing Graphene Oxide (GO). It can be done chemically, thermally, or via irradiation (UV or IR) to get a powder form. The great electrical conductivity of this product is an important feature in some research projects.

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Graphenoil

16310 Hollister St., Houston, TX 77066
832-666-3143 | info@graphenoil.com
www.graphenoil.com