



KLG-RGO-1G Product Datasheet

KLG-RGO-1G is 1 gram of reduced graphene oxide powder, packaged in a glass bottle. Graphene oxide was reduced to create the reduced graphene oxide.

Reduced Graphene Oxide (RGO) Properties

Form	Powder
Reduction Method	Chemical Reduction
Color of Powder	Black
Odor	None
Dispensability	<0.1gm/mL in NMP, DMSO and DMF
Electrical Conductivity	666.7 S/m on 20nm thick film
BET Surface Area	422.69 - 499.85 m ² /g
Density	1.91 g/cm ³
Solubility	Insoluble
Sheet Dimension	Variable
Humidity (Karl Fisher TGA)	3.7 - 4.2%

Elemental Analysis

Carbon	77-87%
Hydrogen	0-1%
Nitrogen	0-1%
Sulfur	0
Oxygen	13-22%

