

Technical Specification Datasheet

Product Name: Graphene Carboxyl (COOH)
Form: Powder Form
Product Series: Graph- Carboxyl
Colour: Dark Grey
Packing: 10gm, 100gm, 1Kg and many more

Properties:

PRODUCT	ELEMENT ANALYSIS						
	C (%)	O (%)	S (%)	H (%)	Cl (%)	Ash (%)	Trace Metals
Graphene Carboxyl (COOH)	>C 72%	> 20%	<1%	>5.8%	1%	<0.1%	<0.01%

SPECIFICATIONS	VALUE
Length Average X & Y Dimensions	1-10 Micron
Thickness Average Z Dimension:	0.8 – 1.6 nm
Product Purity	>97%
Number of Layers	Average no. of layers 2-4
Surface Area	210- 300 m ² /g
Production Methodology	Chemical Vapour Deposition Process
Electrical Conductivity	>107 Siemens per meter (Along X and Y axis) >90 Siemens per Meter (Along Z axis)
Thermal Conductivity	>= 2800 watts / meter-K (Along X and Y axis) < 3 watts watts/meter-K (Along Z axis)
Tensile Modulus	900 GPA (Along X and Y axis)

Techinstro assures the above specification and dimensions of the product as per datasheet. We ensure the quality of the product with moisture proof packing. This sheet is also available on the website, where a researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.