

Technical Data Sheet

Graphene Oxide

Form: Powder

Preparation: Modified Hummer's method

Full Name: Graphene oxide

Product Description:

Graphene oxide is classified as 2D carbon structure modified with oxygen-based functional groups such as epoxides, alcohols, ketone carbonyls, and carboxylic groups.

Application areas:

The functionalization of graphene layers with oxygen-containing groups imparts hydrophilicity to the carbon bone structure, which increases the use of graphene oxide in various applications. Graphene oxide is an important material used as a filler due to its low weight. Additionally, GO has potential in nanocomposite production, coatings, membranes, conductive inks, energy storage, and biomedical applications due to its superior mechanical strength, small size, large surface area, optical properties, and biocompatibility.

Storage conditions: at room temperature

Shipping: 2 weeks

Packaging: 500 mg, 1 g, 2 g powder

Quality Control

