

Gracard WENET-35

INCI Name: **Graphene**

The graphene produced by mechanical exfoliation has good uniformity with average thickness, excellent barrier performance with lamellar structure, superior electric and heat conduction performance, great mechanical properties, as well as good dispersity and stability to guaranteed its performance. On this basis, dispersing into water dispersing slurry by special process, it is a general product developed for water-based system.

Product Parameters:

Appearance: (visual inspection)	Dark gray slurry
Lamellar thickness (layer):	3-10
Particle size (μm):	5-15
Solid content (% , 105°C, 3hrs):	3.50
Electrical conductivity (s/cm):	≥800
Magnetic precipitate content (ppm):	≤1
pH value:	6-8
Total metal ions (ppm):	≤20

Product Features and Applications:

Features:

- 1) High quality raw material of graphene by mechanical stripping.
- 2) Good uniformity with average thickness.
- 3) Lamellar structure with few defects, superior electric /heat conduction performance.
- 4) Good mechanical property, high temperature and friction resistance.
- 5) Good water dispersity and high stability.
- 6) Isolation effect of sheet shielding, excellent anti-corrosion effect.

Applications:

Thermal conductive materials, electric conducting materials, heavy-duty coating, textile materials, plastic materials, rubber materials, new energy materials, exothermic material and medical health equipment.

Storage Information:

Manufacture area:	China
Packaging:	30kg/barrel
Storage:	Sealed, storage in a cool and dry place away from light
Shelf life:	24 months

Date: 2020/10/28