

Genable® 1000



Innovative Genable® platform technology for the incorporation of graphene into your formulation.

PRODUCT DESCRIPTION

A formulation-ready Genable® epoxy resin. Genable® 1000 dispersion consists of A-GNP10 graphene nanoplatelets stabilised in epoxy resin (EEW = 190g/eq.). A-GNP10 is a synthesised form of graphene nanoplatelets produced by a patented process.

PRODUCT INFORMATION

Appearance	Black liquid
Matrix	Epoxy resin (EEW = 190g/eq.)
Graphene Content (wt/wt%)	10%
Density (g/ml)	1.16 – 1.19
Viscosity (Pa.s)	18 – 25
Particle Size (D10)	≤ 1 microns
Particle Size (D50)	1 – 10 microns
Particle Size (D90)	10 – 25 microns
Shelf Life	12 months

USAGE

Graphene nanoplatelets produced using AGM's processes are "dispersion-ready", which means that the platelets can be incorporated into formulations using standard dispersion equipment.

DIRECTIONS

Dispersion may show slight sedimentation during transportation or on storage. If a small amount has occurred during transportation or storage then the dispersion can be recombined by simple mechanical mixing thoroughly with a spatula, palette knife or mechanical stirrer before use.

STORAGE

Product should be stored at room temperature in the original containers kept tightly closed. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container sealed until ready for use.

SAFETY

Wear appropriate PPE. Use the minimum quantity of product required for a particular process. Use only in well-ventilated areas, preferably in an enclosed system. Provide appropriate exhaust ventilation at places where aerosols/dust may be formed. Handle and open container with care. Keep in the original container or an approved alternative made from a compatible material. Always close containers tightly after removal of the product. Empty containers retain product residue and can be hazardous. Do not re-use container. Dispose of materials in accordance with local regulations.

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