



## Provisional Data Sheet

Genable® Dispersion - enabling the incorporation of graphene nanoplatelets into your formulation.

**PRODUCT DESCRIPTION** Genable® X1401 is a formulation ready dispersion of graphene nanoplatelets stabilised in epoxy resin (EEW = 250g/eq.)

**PRODUCT INFORMATION**

<b>Appearance</b>	Black liquid
<b>Matrix</b>	Epoxy resin (EEW = 250g/eq.)
<b>Graphene Content (wt/wt%)</b>	20
<b>Density (g/ml)</b>	1.20 – 1.30
<b>Viscosity (Pa.s)</b>	< 30
<b>Particle Size (D90)</b>	< 20 microns
<b>Shelf Life</b>	12 months

**USAGE** The graphene nanoplatelets dispersion are produced using AGM's proprietary manufacturing processes. The products are optimised to be incorporated in to industry systems under medium shear. Please ensure that following the addition of the graphene nanoplatelet dispersion is system is fully homogenised.

**DIRECTIONS OF USE** Please stir well before use. Dispersion may develop slight sedimentation during transport or storage. If this is the case the dispersion can be recombined by mechanical mixing.

**STORAGE** Store in accordance with local regulations. The product should be stored in the original container, at room temperature (ideally, >20°C to prevent crystallisation), in a dry, well-ventilated location away from direct sunlight. Keep away from incompatible materials and food and drink. Keep the container tightly sealed.

If the Genable X1401 crystallises on storage, the product can be restored to its original condition by warming to 55 – 65°C, with stirring.

**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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