

# Genable<sup>®</sup> Dispersion BG 1000

Genable<sup>®</sup> Dispersion - enabling the incorporation of graphene into your formulation.

<b>PRODUCT DESCRIPTION</b>	<b>Genable<sup>®</sup> Dispersion BG 1000</b> is a formulation-ready dispersion of polyhedral graphitized carbon stabilised in epoxy resin (EEW = 190g/eq)	
<b>PRODUCT INFORMATION</b>	<b>Appearance</b>	Black liquid
	<b>Matrix</b>	Epoxy Resin HV (EEW = 190g/eq)
	<b>Graphene Content (wt/wt%)</b>	10
	<b>Density (g/ml)</b>	1.00 – 1.30
	<b>Viscosity (Pa.s)</b>	60 – 100
	<b>Particle Size (D90)</b>	< 20 microns
	<b>Shelf Life</b>	6 months
<b>USAGE</b>	The graphene nanoplatelet dispersion is produced using Universal Matter's proprietary manufacturing processes. The product is optimised to be easily incorporated into compatible product under medium shear. Please ensure, that following the addition of the dispersion, the system is fully homogenised.	
<b>DIRECTIONS OF USE</b>	Please stir well before use. The dispersion may develop slight sedimentation during transport or storage. If this is the case the dispersion can be recombined by mechanical mixing.	
<b>STORAGE</b>	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 <b>Genable<sup>®</sup> Dispersion BG 1000</b> crystallises on storage, the product can be restored to its original condition by warming to 55 – 65°C, with stirring.	
<b>SAFETY</b>	Wear appropriate PPE. Use only in well-ventilated areas, preferably in an enclosed area. Provide appropriate exhaust ventilation at places where aerosols or spray application may be used. Handle and open container with care. Keep in the original container. 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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