

2D Material – Plastic Masterbatch Products

Advanced Materials



Elicarb® Graphene and Elinova® 2D materials now available as plastic masterbatches.

Thomas Swan is a world leader in the manufacture and supply of carbon nanomaterials which is underpinned by our position as an independent, international, performance and fine chemicals manufacturer.

The plastic masterbatches are ready to use and compatible with a variety of polymer processing methods such as injection moulding or extrusion.

Ready to use plastic masterbatch, available in pellet form

Safe, easy to handle and process

Elicarb® Graphene and Elinova® 2D Boron Nitride products in a range of plastics

Elicarb® Graphene Plastic Masterbatch Elicarb® Materials Grade Graphene

platelets in LDPE, 10% wt filler loading. Other plastics and/or filler loadings available on request to match your application requirements.

Black Colour

Improved thermal conductivity

Improved mechanical properties

Improved barrier properties

Improved electrical properties

Applications:

Engineered components, Electrostatic dissipation, Thermal Management.

Elinova® 2D Boron Nitride Plastic Masterbatch

Elinova® 2D Boron Nitride platelets in LDPE, PET, PPHP, 0.5% w/w loading. Plastic masterbatches with different grades of Elinova® 2D Boron Nitride filler readily available. Other plastics and/or filler loadings available on request to match your application requirements.

White Colour

Improved thermal conductivity

Improved mechanical properties

Improved barrier properties

Improved electrical properties

Applications:

Engineered components, Barrier films, Thermal Management



Elicarb® Graphene Plastic Masterbatch.



Elinova® 2D Boron Nitride Plastic Masterbatch.


Thomas Swan
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For additional information
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Committed to Responsible Care

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