

## Advanced Thermal Management with Graphene Hybrid Powders

Thermal interface materials (TIMs) are essential for efficient thermal management in evolving electronics and battery markets. Unlike common thermally conductive fillers, pristine graphene exhibits excellent thermal conductivity. However, its inherent electrical conductivity prevents broad application in thermal management materials. Additionally, incorporating graphene into formulations presents challenges, such as inhomogeneities and increased viscosity.

Our Graphene Hybrid Powder (GHP) overcomes these limitations. GHP can be used in thermal management applications where electrical insulation is essential. It boosts thermal conductivity, facilitates low-density formulations, and offers improved physical properties and processability compared to standard graphene-related materials. Moreover, it provides attractive volumetric formulation costs, making it a cost-effective solution for advanced thermal management.

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