

## **Advanced graphene composites for 3D printing and other high end applications**

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Graphene based composites are expected to be the largest segment in the emerging graphene market. While there have been reports of consumer products made from polymers embedded with graphene nanoplatelets, the added-value of graphene is not highlighted. Our company had recently announced that it was successfully in developing a state-of-the-art graphene composite material under the trade name of G6-Impact™. This graphene composite material will be intended for industrial users in the automotive, robotics, drone aerospace and military sectors.

Graphene composite materials are prepared using multiple components which are processed together to enhance existing properties. Our G6-Impact™ composite material is developed based on a mixture of High Impact Polystyrene (HIPS) resin, Carbon Fibers and Graphene Nanoplatelets. The G6-Impact™ impressive properties are ensured by the Company's proprietary formulation and micro-mixing technique. Across industries, mechanical parts and complex electronic devices are increasingly subjected to shock, friction, vibrations, and harshness. G6-Impact™ holds a combination of excellent stiffness, toughness as well as impact and vibration absorption. G6-Impact™ will be an optimal material for applications where vibration damping is required on firm surfaces that could include sporting gear, power tools handles, automotive parts, and aerospace components.