Overview

XG LEAF Specialty sheet products and films made from xGnP® Graphene Nanoplatelets.

XG Leaf™ is a sheet product made from **xGnP® Graphene Nanoplatelets** and one or more other ingredients. By tailoring the composition, density, and manufacturing process we can alter the material's properties.

Typical formulations are designed to balance mechanical properties while optimizing:

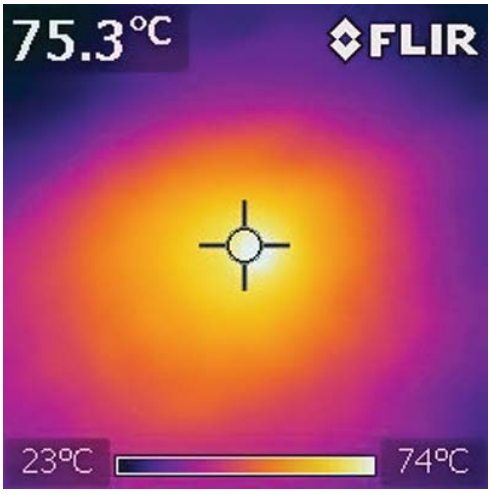
- Electrical properties. Formulations are available with surface conductivity ranging as low as 0.1 ohms/sq.
- Thermal conductivity and spreading. Formulations are available with in-plane conductivity above >400 W/M^{o}K.
- Thickness can be controlled in the range of 25 to 150 microns.

Possible applications include:

- Thermal shields and spreaders
- Electrodes for batteries or supercapacitors.
- Conductive substrate for bio-sensors.
- Resistance heating.
- High-barrier packaging.
- Reinforcement for composites.
- EMI Shielding
- Water treatment

Please contact us to discuss specific formulations for your application.

Flexible sheets with customizable electrical, thermal, barrier and mechanical properties.



An infrared image showing rapid dissipation of heat from a point source.

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THE MATERIAL DIFFERENCE