

# 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 200 W/M<sup>0</sup>K.

Thickness can be controlled in the range of 40 to 200+ microns.

Possible applications include:

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

Please contact us to discuss specific formulations for your application.

