XG sciences
THE MATERIAL DIFFERENCE

XG LEAF™

OVERVIEW

Product Overview

With today's increased demands for advanced materials to optimize thermal conductivity, thermal spreading, electrical properties, and corrosion resistance, companies are discovering that **XG Leaf™** is a more effective solution than aluminum and copper foils for a wide variety of applications.

XG Leaf™ is a thin, flexible and lightweight sheet product built on a foundation of XG Sciences' **xGnP® graphene nanoplatelets**. By precisely tailoring the composition, density, and our proprietary manufacturing process, we create materials with unique properties to optimize thermal and electrical conductivity for our customers' specific needs. Different types of **XG Leaf™** graphene paper offer outstanding thermal and electrical properties:

- ***Thermal Conductivity and Spreading*** - Formulations are available with in-plane conductivity above 500 W/M°K
- ***Electrical Properties*** - Formulations are available with surface resistivity ranging as low as 0.04 Ω/sq

Potential applications include:

- Thermal management and heat spreading
- EMI Shielding
- Electrodes for batteries and supercapacitors
- Conductive substrate for bio-sensors
- Resistance heating
- High-barrier packaging
- Reinforcement for composites
- Water treatment

Engineered Solutions

Coated
Laminated
Die cut

Packaging Options

Boxed in sheet form (200 sheets | 360 cm^2)
On carrier film in rolls
Coated and laminated

Please contact us to discuss how XG Sciences can work with you to create custom formulations for your applications.

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