XG sciences

XG Leaf ™- Graphene Papers

	A - General Purpose Electrical Conductivity*	B - General Purpose Thermal Conductivity*	F - Resistive Heating*	G - Improved Electrical Conductivity*
Thickness	50 - 150 µm	30 - 120 µm	50 - 150 µm	50 - 150 µm
Density	1.2 or higher g/cm^3	1.5 - 1.8 g/cm^3	1.47 or higher g/cm^3	1.37 or higher g/cm^3
Surface Resistivity	0.7 Ω/□	0.12 Ω/□	10.8 Ω/□	0.18 Ω/□
In Plane Resistivity	0.01 Ω·cm		0.21 Ω·cm	0.0026 Ω·cm
Through Plane Resistivity	500 Ω·cm		1250 Ω·cm	67.3 Ω·cm
Thermal Conductivity - In Plane		>350 W/(m.K)		
Thermal Conductivity - Through Plane		1 W/(m.K)		
Maximum Operating Temperature	150˚C	450˚C (in oxidizing atmosphere)	270˚C	270˚C

*Please Note: All values are characteristic of sample data. Properties such as thickness, density, electrical resistivity, and thermal conductivity can be formulated for specific applications.