HIGH POLYMER RESIN R&D

THERMAL, ELECTRONIC, INSULATION BONDING

FUNCTIONAL FILM

THERMAL CONDUCTIVE DIFFUSION FOIL GC-1000

Feature

Dtstudio

瑞誼科技有限公司

GC-1000 is a composite of high thermal dissipation Graphene and copper (aluminum) foil. It has good abilities of thermal radiation and thermal conduction. Produce high electrical conductivity and high thermal conductivity of graphite coating on copper foil surface. With this special feature, it can also provide a cooling effect in many applications.

Advantage and Characteristics

Combines good thermal diffusion of metal

- Contains diffusion, convection, and radiation
 of ceramic
- Easy to cut molding without powdering off.





Item		Unit	Value	Test Method
Substrate		Copper Foil (1oz)		
		Aluminum Foil		-
Plated Metal		Graphene		Corrosion Resistant
Thickness		um	40~120	-
Width		mm	500	-
Tensile Strength		kgf/cm	>10	-
Bending Strength		counts/cm	80	-
Thermal Conductivity	Z Axis	W/mK	400	ASTM D5470
	X.Y Axis		>1000	
Heat Temperature		°C	200	-
Surface Resistivity	X Axis	Ω/sq	0.0004/sq	MIL-STD-202
	Y Axis			
Contact Surface Resistivity	Z Axis			



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