

### Product Description

GD-AGS series have high thermal conductivity, and were made from a highly oriented graphite polymer film. This materials are flexible and can be cut into customizable. It provides a excellent heat spread, especially in plane thermal conductivity.

- Good heat spread in plane
- Easy handling with roll type **(Standard size : 420mm × 100m)**
- High thermal conductivity on thermal interface

### Applications

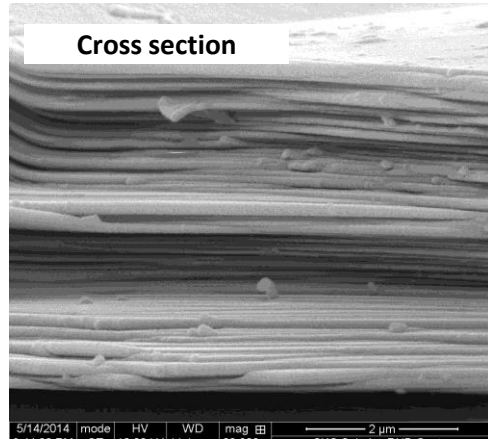
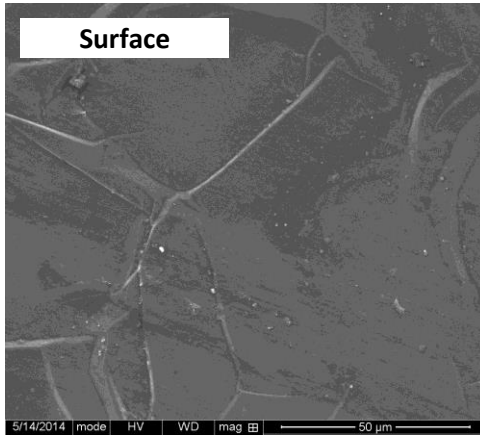
- Thinner and smaller electronic devices such as Smart phones, Mobile phones, Tablet PCs, Ultra NBPCs and peripherals, LED Devices
- Optical communications equipment

### Features

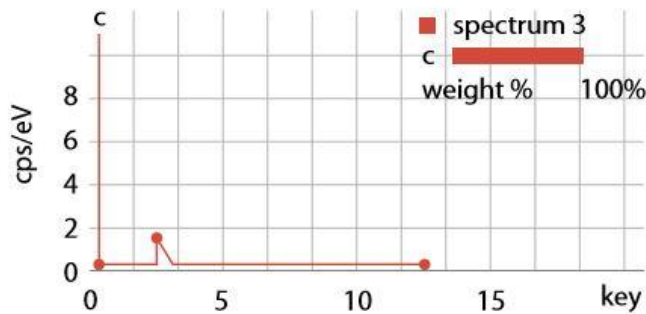
- Excellent thermal conductivity on the plane
- Lightweight : Specific gravity
- Flexible and easy to cut or trim.

	unit	GD-017	GD-025	GD-040	Test measure
Thickness	um	17	25	40	gage
Thermal conductivity(Plane)	W/mk	1700	1500	1300	Hot disk
Thermal Diffusion	mm <sup>2</sup> /s	850	850	850	Hot disk
Density	g/cm <sup>3</sup>	2	2	1.8	Archimedes'raw
Specific Heat(25°C)	J/g.k	0.8	0.8	0.8	Hot disk
Tensile Strength(Plane)	Mpa	30	25	20	UTM
Surface Resistance	Ω/sq	0.3	0.3	0.3	HIOKI 3540

### Morphology Image



### EDX Inspection



Element	C	Total
Line Type	K series	
Apparent Concentration	5.46	
kRatio	00.5656	
Wt%	100.00	100.00
Wt% Sigma	0.00	
Standard Label	C vit	
Factory Standard	Yes	
Standard Calibration Date		

Technical Data Sheet