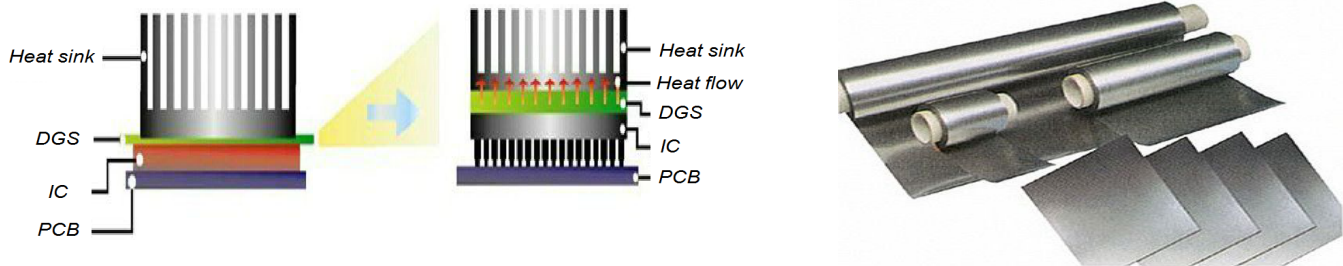


DGS Thermal graphite sheet

The DGS thermal graphite sheet is a kind of totally new thermal & radiating material, heat conducting evenly along vertical & horizontal direction, shielding with heat and component while improving the performance of the consumer electronic products.



Key property:

- Ultra-high thermal conductive performance / easy to operate
- Low thermal resistance
- Light weight
- Adhesive (B) option
- PET option (offers strenght and clean use)

Application:

- IC ; CPU; MOS; LED; Heat sink; LCD-TV; Laptop; Communication equipment;
 Wireless switch; DVD; Hand-held device; Camera/digital camera; Mobile phone

Test item	Test method	Unit	DGS Test value	DGS +B + PET Test value
Color	Visual		Black	Black
Material			Natural graphite	Natural graphite
Thickness	ASTM D374	Mm	0.03 to 1.0	0.05 to 1.0
Specific Gravity	ASTM D792	g/cc	1.5	1.5
Continuous Use Temp	EN344	°C	-40 to +400	-40 to +400
Tensile Strength	ASTM F-152	kpa	715	715
Hardness	ASTM D2240	Shore A	80	80
Breakdown voltage	ASTM D149	KV/mm	1000	1200
Flame Rating	UL 94		V-0	V-0
Conductivity (vertical direction)	ASTM D5470	w/m-k	20	10
Conductivity (horizontal direction)	ASTM D5470	w/m-k	300 to 500	300 to 500

Configurations available: standard roll form of 700/1000mm*100M, customized sheet, die-cut form.