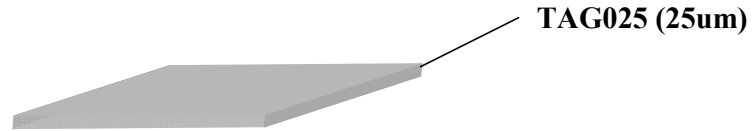




Layer Information



Feature

- Excellent thermal conductivity (2 to 4 times as high as Cu, 3 to 6 times as high as Al)
- 30% light than Al and 80% than Cu sheet
- Low thermal resistance
- ROHS compliant
- Size 210 X 250 mm²

Applications

- Handheld device like smart phone, tablet PC and potable devices
- Large display (LCD, PDP, OLED Display)
- Lighting systems (LED light)
- Power device and systems

Product Description

ITF's TAGS025 is a synthetic graphite sheet which has a high thermal conductivity even though it is extremely thin which is with expand graphite sheet using carbon. It is available to provide solutions to the thermal management and heat-sinking in limited space or further heat-sinking. ITF's TAG025 is thin, light and perfect workability making custom shape as customer wants.

Materials

Pure Graphite Synthetic Graphite Cu

Characteristics

ITEM	Standard	Reference
Color	Dark Gray	-
Thickness	0.025±15%	(mm)
Density	2.0±0.2	(g/cm ³), ASTM D3574
Thermal Conductivity	1,300~1,500	(W/m.K), X-Y axis
	13~15	(W/m.K), Z-axis
Specific Heat	0.85	(J/g.k, at 25°C)
Thermal Diffusivity	800~900	(mm ² /S)
Electrical Conductivity	2.0x10 ⁶	(S/m)
Tensile Strength	30	(MPa)
Bending Test	≥15,000	(times,), R5/180°

Spread test

