

TM-LGRXXXX THERMAL GRAPHITE

TM-LGR is a graphite interface material with an extraordinary high thermal conductivity along length and width (X-Y-direction) and a good thermal conductivity through the thickness (Z-direction).

Due to its extremely high thermal conductivity in the X-Y direction, it is ideally used in applications to prevent hot spots.



Key Properties

- Ultra-high thermal conductive performance, easy to operate
- Low thermal resistance
- Light weight

Applications

- IC,CPU, LED, Laptop, Communication equipment, Wireless switch, DVD, Hand-held device, Camera/digital camera, Mobile phone

Physical Properties:

Test Item	Test Method	Unit	TM-LGR0125	TM-LGR0250
Colour	Visual	-	Black	Black
Material	-	-	Natural Graphite	Natural Graphite
Thickness	ASTM D374	mm	0.125	0.250
Specific Gravity	ASTM D792	g/cc	1.5	1.5
Continuous Use Temperature	EN344	°C	-40 to +400	-40 to +400
Tensile strength	ASTM F-152	kPa	715	715
Hardness	ASTM D2240	Shore A	80	80
Flame Rating	V-0		V-0	V-0
Conductivity (vertical direction)	ASTM D5470	W/m-K	15	15
Conductivity (horizontal direction)	ASTM D5470	W/m-K	300	300