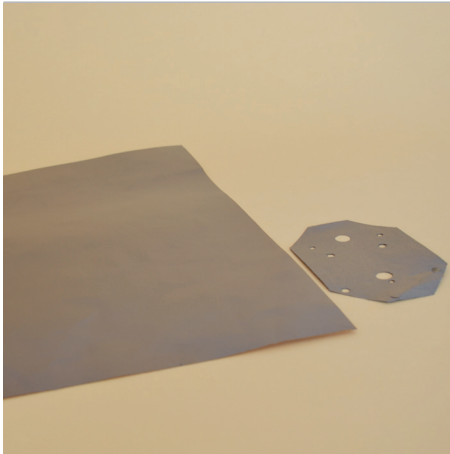


# TM-LGR



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 application to prevent hot spots.

## Thermal graphite

### PROPERTIES

High thermal conductivity in X-Y direction  
Soft and flexible  
Electrically non insulating

### AVAILABILITY

Roll 1mt.x100mt.  
With adhesive (/A)  
Cut according to customer specifications

## TECHNICAL DATA

	UNIT	ITEM	
		TM-LGR0125	TM-LGR0250
Thickness	mm	0,125	0,250
Hardness	Shore 00	80	80
Thermal resistance @ 100psi	°C-inch/W	0,040	0,060
Thermal conductivity x-y direction	W/mK	300	300
Thermal conductivity z direction	W/mK	15	15
Operating temperature	°C	-40 to + 400	-40 to + 400
Flame rating		V0	V0

Upon request it is possible to have also the thicknesses 0,5/1,5/2,5/3,5/ 4,5mm.

Material	Graphite
Colour	Black

# TM-PCAB/PCNP



## Thermal phase change material

TM-PCAB/PCNP is heat reinforced polymer, designed to meet the thermal conductivity and reliability demand for high performance application.

The material is solid in room temperature and installation is completely convenient, used between heat sink and devices.

The phase change interface material can not be used as electrical insulating material.

### PROPERTIES

Low heat resistance and low stress  
 Low volatility - less than 1%  
 Flowing but not silicone oil  
 Self-adhesive, easy to use

### AVAILABILITY

Sheet according to customer specification  
 Cut according to customer specification

## TECHNICAL DATA

	UNIT	ITEM	
		TM-PCAB	TM-PCNP
Color		Black	Pink
Total thickness	mm	0,18	0,127
Carrier		Aluminum foil	
Thermal resistance @ 100psi	°C-inch /W	0,030	0,050
Thermal conductivity	W/mK	2,5	1
Phase change temperature	°C	55	55
Operating temperature	°C	-45 to + 125	-45 to + 125
Storage temperature	°C	<40	<40
Storage time	Month	24	12

Upon request it is possible to have also the thicknesses 0,5/1,5/2,5/3,5/ 4,5mm.

Material	Reinforced polymer
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