

# Phase Change Gel Thermal Pad CGD/CGDR Series



Silicone-Free

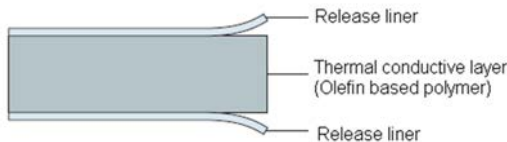


50°C phase change material secures close contact with heating elements and easy and clean handling

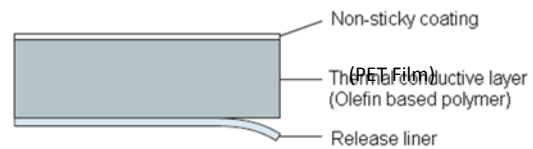
- Thermal interface material for use between heating elements and heat sinks.
- Low thermal resistance.
- Easy and clean handling - Solid at room temperature and no need for measurement like grease.
- Silicone-free material – eliminates concerns over contact failure due to siloxane gas.

## Structure

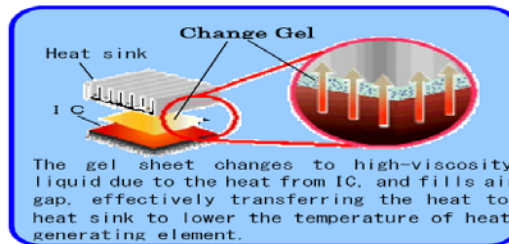
### CGD



### CGDR



## Features



## Typical properties

Item	Test Method	CGD	CGDR
Standard Sheet Size (mm)		200 x 200 ±2.5	
Thickness (mm)	-	0.25 ±0.025, 0.5 ±0.05	
Color	Visual Check	Gray	
Phase change temperature	-	50°C	
Operating temperature	-	-20~+100°C	-20~+90°C
Thermal Conductivity (W/m·K)	QTM Method	2	
Volume resistivity (Ω·cm)	-	1.0x10 <sup>14</sup>	
Carrier	-	N/A	PET (one side)



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The specifications and properties regarding performance above are not guaranteed, and are subject to change without notice due to product improvement and specification change. While our absorbers are electrically non-conductive, usage directly on the PC Board near the power should be carefully checked. Intermark (USA) Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board. The products are designed for EMI noise reduction for electronics. This is not recommended to use for applications involving human life or extremely high accuracy. Prior to your usage of the products in production, please verify their performance of EMI noise absorption or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note that when the absorber products are cut, bent or pulled, there might be some possibility of creating cracks. For storage of the products keep them in cool and dry rooms at ambient temperature avoiding high temperatures, humidity, and direct sunlight. Keep in a cool, dry, well ventilated place.

Change Gel Thermal Pad CGD, CGDR – Rev 6 – 07312013