

## PHASE CHANGE SHEET

series: MPC300



- Non-silicone film PCM with no backing or base material.
- Thermal conductivity: 3.0w/mk.
- Can be supplied die-cut to a customer's specification.
- Halogen free.
- Eliminates gaps more efficiently than traditional thermal pads.
- Easy to handle at room temperature.
- Naturally tacky which eliminates need for adhesive.
- Typical applications include: desktop computers, laptops, computer servers, memory cards and integrated chips.

Properties	Unit	MPC300	Test method
Thermal Conductivity	W/m.k	3.0	ASTM D5470
Thickness	mm	0.13 ~ 0.50	ASTM D751
Colour	-	Blue	Visual
Base material	-	None	-
Thickness tolerance	mm	±0.04	ASTM D751
Density	g/cc	1.97	ASTM D297
Temperature range	°C	-20 ~ +125	-
Phase change temperature	°C	50 ~ 60	-
Volume resistivity	Ohm.cm	2.0*10 <sup>10</sup>	ASTM D257
Dielectric constant	1M HZ	3.0	ASTM D5470
Thermal Impedance @ 50psi	@10psi (°C-in <sup>2</sup> /W)	0.08	ASTM D5470
Sheet Size	mm	200x200 or 200x400	-