



Thermal Phase Change / MPC Series

Bridging the gap between a Thermal Paste and Solid filler pad a phase change material is an ideal material. At room temperature it is a solid filler pad but when its transition temperature is reached it softens or melts and behaves more like a paste/grease. There are two types of materials, waxed based type and elastomer type. The wax based material has good wetting characteristics and low viscosity the material is ideal to fill any microscopic surface irregularities resulting in very low thermal resistance. It does not dry out, separate or settle. The elastomer type has good compressibility.

Due to the physical characteristics of phase change material it is easier to handle and process than paste/grease and yet still offer good thermal conductivity with low thermal resistance. The adhesive tapes are Silicone and Halogen free, also ROHS and REACH compliant.

Can be supplied Die cut to customers specification.



Dimensional Data:

Part Number	Thickness (mm)	Material Type	Thermal Conductivity (W/m.k)	Thermal Resistance ((°C)-cm ² /W 31mm sq @40psi)	Transition Temperature (°C)	Temperature Range (°C)	Max Sheet Size (mm)	Colour
MPC25	0.25	Wax	4.0	0.155	45	-45~+125	130x310	Grey

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