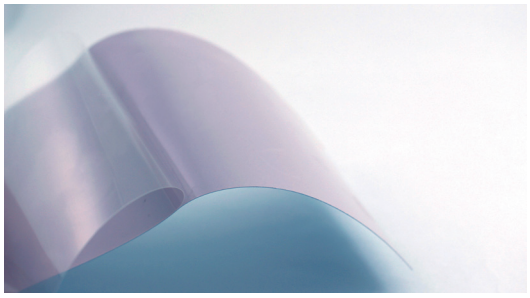


PT-PCM Series

Thermal Phase Change Materials

REACH Compliant | RoHS Compliant

Features

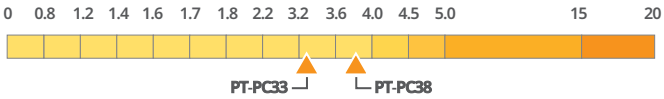
- With the good flow ability over phase change temperature, surface irregularities can be well filled
- Low thermal impedance

Applications

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR ll Module, etc.

Properties

Thermal Conductivity : 3.3(PT-PC33) / 3.8(PT-PC38) W/mK



Properties	PT-PC33	PT-PC38	Unit	Tolerance	Test Method
Thermal Conductivity	3.3	3.8	W/mK	±10%	ASTM D5470
Thickness	0.13/0.2/0.3		mm	-	ASTM D374
	0.005/0.008/0.0118		inch	-	ASTM D374
Colour	Grey		-	-	Visual
Phase Transition Temperature	50		° C	-	-
Breakdown voltage(AC)	1		KV	-	ASTM D149
Density	3.4	2.5	g/cm^3	±0.3	ASTM D792
Continuous Working Temperature	-40~+125		° C	-	-
Volume Resistance	3×10^{11}	3×10^{10}	Ohm-m	-	ASTM D257
Thermal Impedance@50psi	0.0143	0.013	° C-cm^2/W	-	Modified ASTM D5470
Dielectric Constant @1KHz	13.3		-	-	ASTM D412

Pre-cut for different shapes

PROSTECH
Specialty materials and manufacturing solutions

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