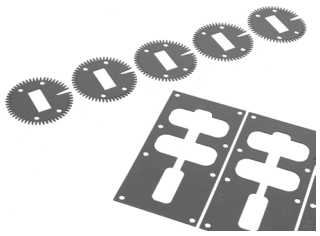
T-P-PCM- 2 / 3 - THERMAL PHASE CHANGE MATERIAL

DATASHEET



FEATURES

- High Thermal Conductivity
- Good Thermal Transfer Properties
- Excellent Heat Stability.
- Long Life Span

APPLICATIONS

- The computer industry, integrated circuits, mobile phones, networking, communication equipment, automotive electronics, LED lighting, aerospace etc.

PROPERTIES	TEST METHOD	UNIT	T-P-PCM-2	T-P-PCM-3
Construction & Composition	-	-	No Silicon	No Silicon
Colour	Visual	-	Grey	Grey
Thickness (±10%)	ASTM-D374	mm inch	0.13 / 0.25 / 0.50 0.005 / 0.01 / 0.02	0.13 / 0.25 / 0.50 0.005 / 0.01 / 0.02
Density at 23°C	ASTM-D792	g/cm^3	1.8	1.9
Phase Change Temperature	ASTM-D3418	°C	52.23	51.64
Thermal Conductivity	ASTM-D5470	W/mK	1.5	3.0
Thermal Resistance	ASTM-D5470	m2K/W	0.003250	0.001847
Applicable Temperature Range	-	°C	-55 to 120	-55 to 120
Cold and Hot Shock Resistance Cycle	GB2423.22	Times	≥2000	≥2000
Flammability Rating	UL94 IEC 60695-11-10	-	UL94-V0	UL94-V0
Shelf Life	-	Month	12	12

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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