

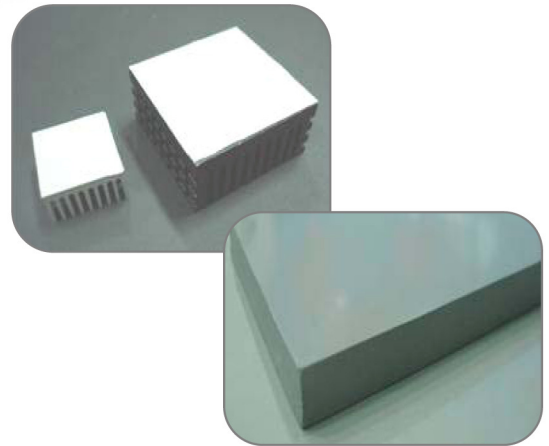
THERMAL PAD

TIM-40

Description:

TIM-40 is an ideal thermal interface material specially designed for heat sink attachment to heat source like Chip set, and other plastic encapsulated components with excellent thermal conductivity cushioning and gap-filling properties.

It is also suitable for mounting heat spreader onto power converter and motor control PCB. TIM-40 also meets all environmental requirements including RoHS.



Features and Benefits:

- Conformable, low hardness.
- Isolated electrically.
- Minimized interfacial resistance.
- Superior Thermal Performance.
- Superior self-adhesion.

Applications:

- Displays (LCD, PDP, Projection TV).
- Memory Module.
- Custom ASICS Chips.
- LED Applications.

General Specification:

Item	Test Conditions	Units	Data	Note
Hardness	Shore 00	-	40	ASTM D2240
Density	25°C Gravimeter	g/cm ³	2.5	ASTM D792
Thickness	Mitsutoyo	mm	0.3 ~ 10	-
Thermal Conductivity	QTM-500	W/m.K	1.55	ASTM D5470
Inflammability	Vertical Burning Test	-	V-0 suitable	UL94
Volume Resistance	-	Ω cm	1.0 X 10 ¹⁴	ASTM D257
Breakdown Voltage	-	kV	>15	ASTM D149
Thermal Stability	- 40 ~ 150 °C	-	No Change	-

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