

## TH 832 Ultra Soft Silicone Thermal Pad

### Description

TH 832 is a light pink colored, both side tacky, ultra soft silicone thermal pad, suitable for use as thermal interface material to dissipate the heat from electronic devices, especially in integrated circuit (IC) and LEDs packaging. This thermal pad is very soft and flexible, and yet provides high thermal conductivity, good high temperature resistance and good electrical insulation.

### Applications

1. Soft silicone based thermal interface pad to dissipate the heat from electronic devices, especially in intergrated circuit (IC) device and LEDs packaging.

### Guidelines for Use

1. Pick up silicone thermal pad from release film gently.
2. Make sure the surface of the substrate is clean and dried before apply the silicone thermal pad.
3. Position the silicone thermal pad to substrate.
4. Apply some pressure to ensure good contact.
5. The silicone thermal pad can be applied and removed easily (care must be taken during installation to avoid tearing).

### Properties

Property	Test Method	Unit	Typical value
Binder	-	-	Silicone gel
Color	PEN 10	-	Light pink
Reinforcement carrier	-	-	None
Surface tacky	-	-	Both side tacky
Specific gravity	-	-	2.3
Thermal conductivity	ASTM D5470	W/m.K	3.5
Hardness	ASTM D2240-97	Shore OO	55
Flammability (UL 94)	PEN 55	-	V-0
Dielectric breakdown	ASTM D149-09	kV/mm	16.4
Volume resistivity	ESD STM11.12	Ohms.cm	3.36 x 10 <sup>11</sup>
Operating temperature	PEN 92	°C	-40 to 200

1. Most of the test methods correspond to American Standard Test Methods (ASTM).
2. The values above are tested based on batch to batch basis. These values are not use as a basis for preparing specifications.

### Product dimension and packaging

- Will provide customized dimension if required
- Thickness range: 0.5 to 4.0mm
- Release film: Plastic film

### Storage

Store the silicone thermal pad in a dried place.

### Environment, Health & Safety

This product is RoHS compliant. It does not contain any known carcinogenic, mutagenic or teratogenic components.

### Contact Information

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