

TH 994 Soft Silicone Thermal Pad

Description

TH 994 is a light grey colored, both side tacky silicone based 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 has low hardness and flexible, and yet provides very high thermal conductivity, good high temperature resistance and good electrical insulation.

Properties

Property	Test Method	Unit	Typical value
Binder	-	-	Silicone
Color	PEN 10	-	Light grey
Reinforcement	-	-	None
Surface tacky	-	-	Yes, both side tacky
Specific gravity	-	-	3.3
Thermal conductivity	ASTM D5470	W/m.K	8.0
Hardness	PEN 29	Shore OO	80
Flammability	UL 94	-	V-0
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.

Applications

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

Product dimension and packaging

- Will provide customized dimension if required
- Thickness range: 0.5 to 2.0mm

Contact Information

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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).

Storage

Store the silicone thermal pad in a dried place. Avoid prolong exposure to sunlight.

Environment, Health & Safety

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