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TH 996-1
Ultra Soft Silicone Thermal Pad

Description

TH 996-1 is a white colored, both side tacky, ultra soft silicone thermal pad, suitable for use as thermal interface material or heat sink to dissipate the heat from electronic devices, especially in intergrated circuit (IC) and LEDs packaging. This thermal pad has very low hardness and elastic, and yet provides high thermal conductivity, good high temperature resistance and good electrical insulation.

Applications

1. Soft silicone based thermal interface material or heat sink 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
Color	PEN 10	-	White
Reinforcement carrier	-	-	None
Surface tacky	-	-	Yes, both side tacky
Specific gravity	PEN 14	-	2.0
Thermal conductivity	ASTM D5470	W/m.K	2.2
Hardness	PEN 29	Shore oo	42
Flammability	UL 94	-	V-0

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:
  1.0 to 3.0mm
- 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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