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Management System
ISO 9001:2015
ISO 14001:2015
IATF 16949:2016
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TH 711
Blue Thermal Stick

Description

TH711 is a pale blue colored, paraffin based phase change thermally conductive compound. It is appear in solid form at room temperature and phase change at 55°C, allow it to wet and fill the gap on the thermal interface surface. This product supply in bar-shaped, it can be apply on interface surface easily by hand, leaving a thin deposited thermally conductive film, providing good heat transfer and low interface thermal resistance.

Applications

1. Phase change thermal interface compound to dissipate the heat from electronic devices, especially in integrated circuit (IC) device and LEDs packaging.

Guidelines for Use

1. Hold thermal stick with a finger and apply a thin layer of thermal compound at 45° angle to the interface surface.
2. Apply a second layer for uncoated areas or uneven coated areas.
3. After this, join the interface surfaces and clamp it together per the assembly requirements.
4. The thermal compound may exhibit some degree of voiding during coating and joining.
5. The thermal compound wills “cold flow” with the interface (130ºF), the thermal joining pressure. During the thermal cycle through 55º, the thermal compound will “melt flow” to fill any remaining voids or air gaps. It is not necessary to reapply additional amounts of compound to attempt to totally cover the interface surface.
6. For rework, the deposited thermal compound can be easily wiped off by a piece of cloth or tissue wetted with iso-propanol.

Properties

Property	Test Method	Unit	Typical value
Binder	-	-	Paraffin wax
Color	PEN 10	-	Pale blue
Specific gravity	-	-	1.4
Thermal conductivity	ISO/DIS 22007	W/m.K	1.0
Melting point	PEN 19	°C	52
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.

Packaging

- 15cc plastic tube
- 25cc plastic tube

Storage

Store the phase change thermal stick in cool place. Avoid storage at temperature above 40°C and prolonged exposure to sunlight.

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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