

Description

TP-2002 is a thermally conductive silicone putty. It has similar plasticity of plasticized, non-flowing, high thermal conductivity and low thermal resistance. It has good insulation and can fill the gap automatically.

Features

- High thermal conductivity
- Low thermal resistance
- Dispensable
- Soft

Applications

- Dispensable thermally conductive putty for use as heat conduction for electronic devices.

Properties	Typical Value	Unit	Test Method
Color	Blue	-	PEN10
Density	2.98	g/cm ³	ASTM D792
Extrusion rate, 25°C			
• 90psi without needle	32	g/min	PEN107
Bond Line Thickness	0.07	mm	PEN 151
Thermal conductivity	2.0	W/mK	ASTM D5470
Thermal resistance	3.1	K.cm ² /W	ASTM D5470
Breakdown Voltage	≥7	kV/mm	ASTM D149
Volume Resistivity	1x10 ¹³	ohm.cm	ASTM D257

* The values above are tested based on batch to batch basis. These values are not used as a basis for preparing specifications.

* PEN is referring to Penchem's standard test method; ASTM is for test reference only.

* Thermal conductivity and thermal resistance were measured at 100kPa contact pressure and 0.60mm thick, at 40°C.

Guideline of Use

- 1) Wear rubber glove when handling the silicone putty.
- 2) Scoop a quantity of the silicone putty from the container using a stainless-steel spatula.
- 3) Work and knead the putty around electronic part and circuit by hand.
- 4) This product may be dispensed by pneumatic dispenser or other dispensing equipment with an appropriate needle. Increasing the dispensing temperature (eg. 60°C) can ease the dispensing process. The user is responsible to determine the suitability of the product for all intended uses.
- 5) Wipe off any excess putty with a piece of dry cloth. Further cleaning of residues may be achieved by wiping with cloth wetted with isopropanol.

Storage & Shelf Life

This product has 6 months of shelf life from date of manufacturing, unless otherwise specified, when stored at room temperature in the original and unopened container.

Packaging

- 500g, 1kg, 5kg in plastic jar/pail

Other packaging enquiry, please contact our sales department.

Environment, Health & Safety

This product is intended for industrial use only. For more safety information, please refer to Product Safety Data Sheet (SDS).

General Information

All right reserved. This information in this document is subjected to change without notice.

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