

Description

TP-1002 is a grey color soft with slight tackiness silicone thermal pad. This property allows it easy to assemble. Under low compressive force, it exhibits good thermal conductivity and electrical insulation properties.

Features

- Natural stickiness (both surface)
- Easy assembly
- High electrical Insulation

Applications

Thermal conductive interface material for electronic parts and devices.

Cured Properties	Typical Value	Unit	Test Method
Color	Grey	-	PEN 10
Density	2.30	g/cm ³	ASTM D792
Hardness, Shore OO	64	Shore	ASTM D2240
Thermal Conductivity	2.0	W/mK	ASTM D5470
Thermal resistivity	5.5	K-cm ² /W	ASTM D5470
Tensile Strength	0.3	MPa	ASTM D412
Elongation at break	100	%	ASTM D412
Dielectric Strength	≥10	kV/mm	ASTM D149
Volume resistivity	≥1x10 ¹³	ohm.cm	ASTM D257
Flammability	V-0	-	UL94
Dielectric constant, at 1MHz	6.0	-	ASTM D150

* PEN is referring to Penchem test method.

* The technical data contained herein are intended as reference only and are not considered specifications for the product. Product specifications are located on certificate of conformance or please contact Penchem representative.

* Specimen dimension for thermal conductivity and thermal resistance measurement is 1.0mm thickness, diameter = 3.3cm, contact pressure = 300kPa, 40°C.

Guideline of 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 and contamination).

Storage & Shelf Life

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

Shelf life: 2 years

Packaging

- Thickness range: 0.5 to 5.0 mm

Other product dimension 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.

Revision (00): 13-Jan-2025

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