

# Thermal SIL PAD CTLCV-070S

CTLCV-070S Thermal conductive SIL PAD is a cloth product made of silica gel and glass fiber through special process. Because of its excellent heat conduction, insulation and easy assembly, it is widely used in electronic and electrical industries. When in use, thermal conductive silicon films of different thickness are selected according to the size of the heating interface and the height of the gap, and are installed in the gap between the heating interface and its heat dissipation components to play the roll of thermal insulation.



## Product Features

- Heat conduction, high electrical insulation.
- Wear resistant, high toughness, puncture resistant.
- No stickiness on both sides, easy to operate and disassemble.
- It can be used together with thermal conductive silicone grease for better effect.

## Typical Applications

- Automotive electronic heating module.
- Computer server and peripheral.
- Power supply module.
- Gap filling between the heating body and the bottom plate.
- Any heating element that needs to be filled for heat dissipation.

Electrically Insulating, Thermally Conductive Material

### TYPICAL PROPERTIES OF SILICONE RUBBER CTLCV-070S

Test Item	Unit	CTLCV-070S	Test Method
Colour	-	Gray	Visually
Thickness	mm	0.3±0.03	ASTM D374/374M
Hardness	Shore A	85±5	ASTM D2240
Specific Gravity	g/cm <sup>3</sup>	2.16±0.1	ASTM D792
Breakdown Voltage	KV	≥5.0	ASTM D149
Temp Resistance	°C	-50~200	-
Flame	-	V-0	UL 94
Tear Strength	N/25CM	>150	ASTM D5035
Volume Resistivity	Ω·cm	≥10 <sup>14</sup>	ASTM D257
Dielectric Constant	@1MHz	3.1	ASTM D150
Thermal impedance	°C·in <sup>2</sup> /W	0.74	ASTM D5470
Thermal impedance	°C·cm <sup>2</sup> /W	4.8	ASTM D5470
Thermal Conductivity	W/mk	1.0	ISO 22007-2
Thermal Conductivity	W/mk	1.0	ASTM D5470

## Configurations Available:

- Sheet form, die-cut parts, and roll form
- With or without pressure sensitive adhesive

## Build a Part Number

## Standard Options

CTLCV-070S - T10 - 50 - 100 - NA

- Your part/drawing No.
- Length = 100mm
- Width = 50mm
- Thickness = 1.0mm
- CTLCV-070S with thermal conductivity 0.7w/mk

Note: The material can be customized. If you can't find the material that meets your requirements in our existing materials, you can consult the sales manager whether the material you need supports customization, and we will give you a reply within 24H.

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