

# Thermal SIL PAD CTLCV-100S

Electrically Insulating, Thermally Conductive Material

CTLCV-100S 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.



## TYPICAL PROPERTIES OF SILICONE RUBBER CTLCV-100S

Test Item	Unit	CTLCV-100S	Test Method
Colour	-	Gray	Visually
Thickness	mm	0.23±0.03	ASTM D374/374M
Hardness	Shore A	85±5	ASTM D2240
Specific Gravity	g/cm <sup>3</sup>	2.27±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	>100	ASTM D5035
Volume Resistivity	Ω·cm	≥10 <sup>14</sup>	ASTM D257
Dielectric Constant	@1MHz	3.7	ASTM D150
Thermal impedance	°C·in <sup>2</sup> /W	0.467	ASTM D5470
Thermal impedance	°C·cm <sup>2</sup> /W	3.015	ASTM D5470
Thermal Conductivity	W/mk	1.0	ISO 22007-2
Thermal Conductivity	W/mk	1.0	ASTM D5470

## 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.

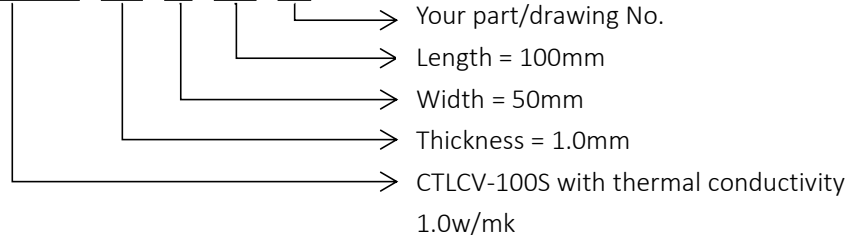
## Configurations Available:

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

## Build a Part Number

## Standard Options

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



## 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.

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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