

Liquid Gap Filler Thermal Gel CTLCE360T

CTLCE360T one component thermal gel is a preformed thermal gap filling material, which can be solidified at room temperature or high temperature to form a flexible and thermal conductive elastomer, which is formed with the shape of the structure. After curing, it is equivalent to the thermal conductive silicone gasket. It mainly meets the requirements of low pressure and high compression modulus. It can realize automatic dispensing production with high efficiency. It has good contact with electronic products, increases effective contact area and reduces contact thermal resistance. It can automatically fill the gap and compress infinitely. It is suitable for heat dissipation modules or electronic components with large thickness variation.



Product Features

- High thermal conductivity, low thermal resistance, good wettability.
- Lower assembly stress, easy to operate.
- High reliability, after curing, it is equivalent to thermal pad, no volatilization.
- Automatic dispensing adjustment of any thickness.
- After curing, the modulus is low, which greatly reduces the stress caused by thermal expansion and the damage caused by vibration.

Typical Applications

- Network terminal /5g mobile phone communication.
- New energy battery.
- Automotive electronic application equipment.
- Electronic medical / power equipment.
- Between fragile components and housing.

Electrically Insulating, Thermally Conductive Elastomeric Material

TYPICAL PROPERTIES OF THERMAL GEL CTLCE360T

Test Item	Unit	CTLCE360T	Test Method
Colour	-	Blue	Visually
Extrusion Rate	g/20s	100	90psi@φ254min
BLT	μm	50	-
Hardness	Shore AO	20±5	GB/T531
Hardness	Shore OO	50±5	ASTM D2240
Density	g/cm ³	3.39	ASTM D792
Breakdown Voltage	KV/mm	≥8	ASTM D149
Volume Resistivity	Ω·cm	1x10 ¹²	ASTM D257
Tear Strength	MPa	0.18	ASTM D412
Elongation at Break	%	>300	ASTM D412
Flame	-	V-0	UL 94
Curing Time	min	60	@100°C
Continuous Use Temp	°C	-40~150	-
Thermal Conductivity	W/mk	3.6±0.3	ISO 22007-2
Thermal Conductivity	W/mk	3.6±0.3	ASTM D5470
Thermal Impedance	°C·in ² /w	0.024	ASTM D5470
Thermal impedance	°C·cm ² /W	0.154	ASTM D5470
Specific Heat Capacity	J/g/k	0.841	ASTM E1269

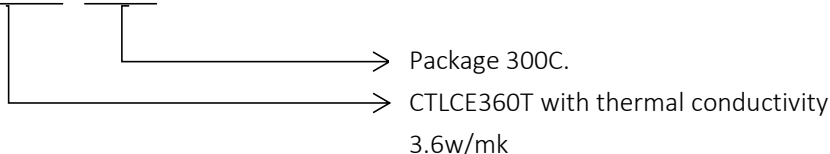
Configurations Available:

- 30ml, 55ml, 300ml

Build a Part Number

Standard Options

CTLCE360T - 300CC



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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