

Liquid Gap Filler Thermal Gel CTLCE500

CTLCE500 Single component thermal gel is a kind of thermal conductive material with lower deformation force. It has similar plasticity of plasticized, non flowing, high thermal conductivity and low thermal resistance. It has good insulation, good insulation, and can fill the gap automatically, so that the contact area can reach full contact. It can be applied to the heat dissipation module or electronic component with larger thickness. Unlike thermal grease, thermal gel has no sedimentation and no flow phenomenon. It is suitable for screen printing or scraping. The syringe packaging can be dispensed on standard dispensing equipment, so as to effectively improve operation convenience and efficiency.



Product Features

- High thermal conductivity, low thermal resistance, good wettability.
- No settlement, no flow, can fill any uneven gap.
- Soft, no stress, can be compressed to 0.1 mm thin.
- The design and application are convenient, and the automatic .
- dispensing can adjust the size of any thickness.

Typical Applications

- Wireless electronic equipment.
- Communication electronic hardware equipment.
- Automotive electronic application equipment.
- Chassis or related heat dissipation module.
- Host or small office network equipment.
- Microprocessors, memory chips and graphics processors.

Electrically Insulating,Thermally Conductive Elastomeric Material

TYPICAL PROPERTIES OF THERMAL GEL CTLCE500

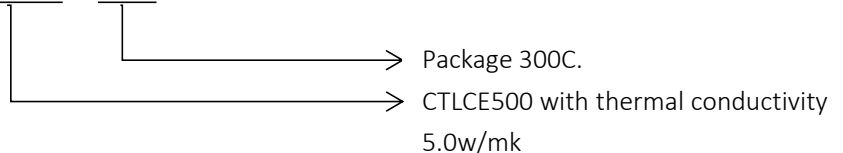
Test Item	Unit	CTLCE500	Test Method
Colour	-	Gray	Visually
Specific Gravity	g/cc	3.44	ASTM D792
Extrusion Rate	g/min	≥20	Φ2.54mm90psi
Thickness after compression	mm	0.2	-
Weight Loss	%	≤0.2	@150℃ 240H
Breakdown Voltage	KV/mm	≥7	ASTM D149
Volume Resistivity	Ω·cm	1x10 ¹³	ASTM D257
Continuous Use Temp	℃	-40~150	-
Thermal Conductivity	W/mk	5.0	ISO 22007-2
Thermal Conductivity	W/mk	5.0	ASTM D5470
Thermal Impedance	℃·in ² /w	0.033	ASTM D5470
Thermal impedance	℃·cm ² /W	0.213	ASTM D5470
Specific Heat Capacity	J/g/k	0.784	ASTM E1269

Configurations Available:

- 30ml, 55ml, 300ml, 2600ml, barrel

Build a Part Number

CTLCE500 - 300CC



Standard Options

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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