

# Liquid Gap Filler Thermal Gel CTLCE700

CTLCE700 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 CTLCE700

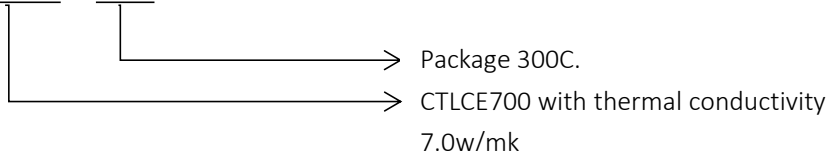
| Test Item                   | Unit                  | CTLCE700           | Test Method  |
|-----------------------------|-----------------------|--------------------|--------------|
| Colour                      | -                     | Gray               | Visually     |
| Specific Gravity            | g/cc                  | 3.5                | ASTM D792    |
| Extrusion Rate              | g/min                 | ≥10                | Φ2.54mm90psi |
| Thickness after compression | mm                    | 0.2                | -            |
| Weight Loss                 | %                     | ≤0.2               | @150°C 240H  |
| Breakdown Voltage           | KV/mm                 | ≥5                 | ASTM D149    |
| Volume Resistivity          | Ω·cm                  | 1x10 <sup>11</sup> | ASTM D257    |
| Continuous Use Temp         | °C                    | -40~150            | -            |
| Thermal Conductivity        | W/mk                  | 7.0                | ISO 22007-2  |
| Thermal Conductivity        | W/mk                  | 7.0                | ASTM D5470   |
| Thermal Impedance           | °C·in <sup>2</sup> /w | 0.023              | ASTM D5470   |
| Thermal impedance           | °C·cm <sup>2</sup> /W | 0.148              | ASTM D5470   |
| Specific Heat Capacity      | J/g/k                 | 0.660              | ASTM E1269   |

## Configurations Available:

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

## Build a Part Number

CTLCE700 - 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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