

## Technical Data Sheet

EVSE50 thermal conductive gel is a soft one-component silicone-based thermal conductive gel with high thermal conductivity, low interfacial thermal resistance and good thixotropy. EVSE50 thermal conductive gel is an ideal material for applications with large gap tolerances. It is filled between the electronic components to be cooled and the heat sink/housing, etc., making them in close contact, reducing the thermal resistance, and quickly and effectively reducing the temperature of the electronic components, thereby extending the life of the electronic components and improving their reliability. The EVSE50 thermal conductive gel can be applied by hand or by dispensing equipment.



## Applications

- ✓ Hard disk, mobile phone
- ✓ Optical precision equipment
- ✓ Laptop
- ✓ Mobile and communication equipment
- ✓ Automobile engine control equipment
- ✓ High-end industrial control and medical electronics



## EVSE50 Thermal Gel 5.0W/mK

Product performance	Test Results	Test Methods
Colour	Pink/Gray	Visual
Extrusion speed (30ccEFDcartridges1"orifice 90psi)	15g/min	**
Specific gravity	3.2g/cm <sup>3</sup>	Helium true density method
Thermal Conductivity	5.0W/mK	ASTM D5470
Dielectric breakdown strength	>200 VAC/mil	ASTM D149
Dielectric constant	5.5	ASTM D150
Minimum interface thickness	0.09mm	**
Operating temperature	-50~200	**
Storage time	12month	**
Flame retardancy	V-0	UL 94
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

Our products have passed 1000 hours cold and hot shock test, 1000 hours double 85 test, 1000 hours high temperature aging test. CRT is committed to providing the most reliable heat conduction solutions for automobile, communication, security and other industries.

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**Note:** The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.