

Technical Data Sheet

EVSE250AB is a two-component silicone-based thermal gap filler with high thermal conductivity, low interfacial thermal resistance and good thixotropy. It is an ideal material for large gap tolerance applications. It is filled between the electronic components to be cooled and the radiator / shell, so as to make them contact closely, reduce the thermal resistance, quickly and effectively reduce the temperature of electronic components, so as to prolong the service life of electronic components and improve their reliability. EVSE250AB can be painted by hand or dispensing equipment. After curing, it will become an elastomer which will protect advanced electronic components.



Applications

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



EVSE250AB

Product performance	Test Results		Test Standard
Before mixing	A component	B component	
Color	Pink	White	Visual
Viscosity (mPa.s)	250000	250000	ASTM D2196
Density (g/cm ³)	2.8	3.8	Helium vacuum
Mixing ratio	1:1		N/A
Shelf life @25°C (month)	6	6	N/A
Mixed performance			
Color	Pink		Visual
Volume Resistance	>1013Ωcm		ASTM D257
Thermal conductivity	2.5W/m.K		ASTM D5470
Dielectric breakdown strength @AC	>3000V		ASTM D149
Dielectric constant	2.5		ASTM D150
Minimum interface thickness	0.10mm		N/A
Operating temperature	-50~200		N/A
Small silicon molecules precipitated D3 D12 content	<300PPM		GB/T 27843-2011
Thermal expansivity	175ppm/K		ASTM E831
Flammability	V-0		UL 94
Surface drying time @25°C (Min)	20		N/A
Complete curing time			
25°C (H)	4		N/A
100°C (min)	15		N/A
Hardness after curing (Shore00)	55±10		ASTM D2240
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.