

Technical Data Sheet

SE800AB Thermal Gel 8.0W/mK

EVSE800AB 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. EVSE800AB can be painted by hand or dispensing equipment. After curing, it is elastomer, which can protect 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



Product performance	Test Results		Test Standard
Before mixing	A component	B component	
Color	Gray	White	Visual
Density (g/cm ³)	3.3	3.3	Helium vacuum
Mixing ratio	1:1		N/A
Shelf life @25°C (month)	6	6	N/A
Mixed performance			
Color	Gray		Visual
Volume Resistance	>1014Ωcm		ASTM D257
Thermal conductivity	8.0W/m.k		ASTM D5470
Dielectric breakdown strength @AC	>8000V		ASTM D149
Dielectric constant	7.0		ASTM D150
Minimum interface thickness	0.15mm		N/A
Operating temperature	-50~150		N/A
Small silicon molecules precipitated D3 D12 content	<300PPM		GB/T 27843-2011
Thermal expansivity	175ppm/K		ASTM E831
Flammability	V-0		UL
Surface drying time @25°C (Min)	10		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.

CR Technology, Inc

55 Chase St. Methuen, Massachusetts 01844

sales@crtechinc.com

978.681.5300

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.