

# GUANGZHOU BAIYUN CHEMICAL INDUSTRY CO.,LTD

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## BAIYUN® SS8251-E Thermal Grease

### 1. Product Description

SS8251-E thermal grease is a pre-cured thermal interface material with a thermal conductivity of 3.5W/ (m·K). SS8251-E has a better stress and strain value than the fabricated thermal pad, dispensable. It can cope with complex and irregular interface heat dissipation and easy to application. It is applied between the electronic components and radiators/housings, etc., with efficient, stable and reliable heat dissipation effect.

### 2. Product Features

- ◆ Flowable, non-bleeding.
- ◆ Dispensable, low compressive stress.
- ◆ Efficient heat conduction, low thermal resistance.
- ◆ Good temperature resistance and electrical insulation.

### 3. Main Application

- ◆ 5G communication equipment.
- ◆ Large storage devices, 5G terminals.
- ◆ Power Supply.
- ◆ Automotive electronics.

### 4. Typical Technical Data

Property	Result	Test
Appearance	Blue	Visual
Density g/cm <sup>3</sup>	3.1	GB/T 4472
Extrusion Rate, g/min	30	30cc EFD cartridge, 90Psi
Thermal Conductivity, W/ (m·K)	3.5	ASTM D5470

<b>Dielectric Strength, (kV/mm)</b>	<b>10</b>	<b>GB/T 1695</b>
<b>Volume Resistivity (<math>\Omega</math>.cm)</b>	<b><math>1 \times 10^{11}</math></b>	<b>GB/T 1692</b>
<b>Flame Retardant</b>	<b>V-0</b>	<b>UL94</b>
<b>NVC, %</b>	<b>0.3</b>	<b>150°C/3h</b>
<b>Available Temperature Range, °C</b>	<b>-40~150</b>	<b>/</b>

## 5. Methods of Use

- ◆ Automated or manual dispensing.

## 6. Packaging

- ◆ one part, 30,55,100,300ml/Cartridge.

## 7. Usable Life and Storage

- ◆ Store product in the unopened container in a dry place, avoid direct sunlight, the recommended storage temperature is below 27°C.
- ◆ It can be stored for 12 months in an unopened and well-sealed state after the production date.
- ◆ Be careful not to contain air bubbles to affect thermal conductivity during application.

## 8. Attention

- ◆ This product is non-dangerous goods, but avoid contact with eyes.
- ◆ A very small number of people will have mild skin allergies and mild itching after prolonged contact with the grease. It is recommended to wear protective gloves when using it. If it sticks to the skin, wipe it off with acetone or alcohol, and clean it with detergent.

**Note to users:** The values published in this article do not belong to the specification values, subject to change without notice. As the actual situation varies greatly, we cannot have a complete understanding of all situations, so we cannot guarantee the correctness and applicability of our products for certain uses and purposes. Users should understand the

**product in detail before using it and then decide for themselves the best way to use it.**

### **HANDLING AND SAFETY**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM BAIYUN SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING BAIYUN CUSTOMER SERVICE.

### **HEALTH AND ENVIRONMENT INFORMATION**

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological toxicological and other safety-related data.

### **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

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