

## PRODUCT INTRODUCTION

### ZS-NJ-D959W02G

#### 1. Product features

ZS-NJ-D959W02G is one kind of the flame retardant type one-component alcohol silicone sealant which is room temperature curing. This product is a kind of special sealant for heat conduction, which has the properties such as high strength, good adhesion, good adhesion on alumina, copper, stainless steel and other metal, excellent dielectric and good heat resistance. The general using temperature range is from  $-60^{\circ}\text{C}\sim 200^{\circ}\text{C}$ . During the curing process, it will release the alcohols, which with no corrosion to the materials such as polycarbonate(PC) and copper. Absolutely compliance with the EU ROHS's requisition.

#### 2. The typical use

Adhesion and sealing of the chip with the radiator, thyristor intelligent control module with the radiator, high power electric module with the radiator etc.

#### 3. The technology parameters before the curing and after the curing process

Before the curing	Appearance	white paste
	tack-free time (min)	$\leq 15$
After the curing	Relative density ( $\text{g}/\text{cm}^3$ )	2.10~2.20
	Tensile strength (MPa)	$\geq 2.0$
	Break elongation (%)	$\geq 70$
	Shear strength (MPa)	$\geq 2.0$

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	Hardness(Shore A)	70~80
	The general use of temperature range (°C)	-60~200
	Volume resistivity ( $\Omega \cdot \text{cm}$ )	$1 \times 10^{12}$
	Dielectric strength (kV/mm)	$\geq 15$
	thermal conductivity (W/m·K)	$\geq 1.0$
	Flammability rating	UL94 V-0

The above performance data are measured at 25 ° C, relative humidity of 55% , cured after 7days, Data caused by the different test conditions or product improvement , The company does not bear any relevant responsibility.

### 4. Instructions

- 1). Surface cleaning: cleaning the sticklied and coated surface, remove the rust, dirt and oil.
- 2). Brush the glue: Unscrew the hose cap (or cut open), pushed the glue to clean the surface, evenly distributed so that will be glued surfaces together and fixed.
- 3).Curing: put the glued or sealed parts in the air and let it be natural cured. It's one curing process that cured from the surface to the internal, in less than 24 hours (at room temperature and 55% relative humidity) glue curing depth of 2 ~ 4mm, if the sizing location more deeper, in particular, which is not easily accessible to the air, then the fully curing time will be extended, if the temperature is low, the curing time will be extended too, sealant is fully cured at least 7 days if the thick have 6mm .

### 5. Note

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After Operating, unused glue must be sealed and stored , and tighten the cap immediately,. if the seal has a little crust when use it in the next time, remove it and it will not affect the normal use. During the storage process, the canal orifices may appear a small amount of the curing phenomenon, cleared it and it can use it again, and no affection to the product performance.

### **6. PACKAGING SPECIFICATIONS**

Sample: 300mL / tube(cartridge), 25 tubes / box ;

### **7. Storage and transportation**

- 1, The product must be stored in a cool, dry environment below 25 °C, can be stored below 25 °C for six months.
- 2, Such products are non-dangerous goods, can be transported as common chemicals. Be careful during transport and prevent the leakage.
- 3, Should be recognized before being used with or without abnormal if the products exceeding retention period.

### **8.Statement**

This article contains a variety of data are for reference only ,and we sure that is reliable. For anyone to adopt the way in which we can't control the result, we will not be responsible for.

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