

## PRODUCT INTRODUCTION

### ZS-NJ-D933

#### 1. Product features

ZS-NJ-D933 is one-component alcohol silicone sealant which is room temperature curing. This product has good adhesion to metals such as aluminum, copper, stainless steel etc. It also has the good heat resistance property whose general use temperature range to 60 °C ~ 200 °C. During the curing process, it will release the alcohols, which with no corrosion to the materials such as polycarbonate (PC) and copper. And absolutely compliance with the EU ROHS's requisition.

#### 2. The typical use

This product is suitable for adhesiving and sealing to protect the guardrail tube in photoelectric industry, bulb lamp, electronic components on the circuit board etc. It is also suitable for adhesiving and sealing of engineering plastic, metal, glass and ceramics etc.

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

Before the curing	Appearance	translucent ,semi flow
	tack—free time (min)	≤10
	Completely cure time(d)	3~7
After the curing	Relative density (g/cm <sup>3</sup> )	0.95~1.05
	Tensile strength (MPa)	≥0.8
	Break elongation (%)	≥120
	Shear strength (MPa)	≥0.5

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Hardness(Shore A)	20~30
The general use of temperature range (°C)	-60~200
Volume resistivity ( $\Omega \cdot \text{cm}$ )	$\geq 1 \times 10^{14}$
Dielectric strength (kV/mm)	$\geq 10$
dielectric constant	2.3~2.9

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 , pushed the glue to clean the surface, evenly make it natural flow.
- 3.Curing: put the potting 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, and the curing depth increase gradually with the extension of time. Because the curing deep need for a long time(glue is fully cured at least 7 days if the thick have 6mm ),it is generally used in small electronic components and a thin layer of potting.

### 5. Note

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

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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. Packing, Storage and transportation

1. Sample: 300mL / tube, 25 tubes / box. (which may be decided according to user's need)
2. The product must be stored in a cool, dry environment below 25 °C, can be stored below 25 °C for six months. Over shelf life of products should be confirmed before use
- 3, Such products are non-dangerous goods, can be transported as common chemicals. Be careful during transport and prevent the leakage.

#### 7. Suggestions and statement

Suggest users to do the applicability test before the formal use of this product. Due to the diversity of practical application, we won't bear the responsibility of the problems in special conditions of use about our products. We are not responsible for any direct, indirect or accidental damage. but users can contact my company's after-sales service when you have any problem in the use process , we will try to help you.

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