



Zhaoshun Technology(Guangdong) Co.,Ltd.

PRODUCT INTRODUCTION

ZS-GF-3161

1. Features

ZS-GF- 3161 is a low viscosity two-component addition molding transparent silicone potting compound, which can be cured at room temperature or heated, with the characteristics of higher temperature and faster curing. This product doesn't produce any by-products in the curing reaction. It can be applied to the surface of PC (poly carbon), PP, ABS, PVC and other materials and metals. It can be used in the environment of - 60 °C to 220 °C. It fully complies with the requirements of RoHS and reach directives of the European Union.

2. The typical use

- 1)Potting the power modules to protect the modules.
- 2)Potting the electronic components to protect the electronic components.

3. Tech.Data

item		Part A	Part B
Uncured	Appearance	Transparent flow	
	Viscosity(cps, 25°C)	600~1000	800~1200
	Mixing ratio by weight	1 : 1	
	Viscosity after mixing(cps,25°C)	700~1100	
	Potting life (min, 25°C)	30-50	
	Cure time (hr, 25°C)	≥ 24	
Cured	Hardness(shore A)	8-12	
	Dielectric strength (KV/mm)	≥12	

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	Dielectric constant (1.0MHz)	2.3-2.8
	Volume Resistivity ($\Omega \cdot \text{cm}$)	$\geq 1.0 \times 10^{12}$
	specific gravity	0.98±0.02

The above data before curing is measured under the condition of room temperature on the same day when our products is produced. Mechanical properties and electrical property data are test after completely cured. Data caused by the different test conditions or product improvement , our company does not assume any relevant responsibility.

4. Operation

1. Before mixed: Part A and Part B should be thoroughly stirred before mixing the two components together.
2. When mixed: Thoroughly mixed at quality ratio of 1:1 and stir uniformity.
3. De-airing: after mixing which be in vacuum de-airing for 1-3 minutes would be much better.
4. Potting: mixed rubber should be pot into application as soon as possible to prevent not being used as thickening.
5. Curing: room temperature curing or heat curing. The higher the temperature, curing speed is more quickly.

5. Note

- 1). Product should be stored in sealed containers, Mixed rubber should be pot as soon as possible that avoid to causing waste.
- 2). This product is not to dangerous, but not to eat and enter eyes.
- 3). After a period of time deposit, rubber have stratification. Please mix it to use, do not affect performance.

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4)Glue contact following material will no cure, in the process, please pay attention to avoid contacting with the following material:

- a.Organic tin compounds and containing organic tin silicone rubber.
- b.Sulphur, sulfide and sulfur rubber materials.
- c.Amine compounds and containing melamine material.

6.Packing,Storage and transportation

- 1.Sample: 25kg/barrel;B:,25kg/barrel. (which may be decided according to user's need)
- 2.The shelf life is 1 year under 25 °C , if out of date, please try firstly before potting.
- 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 c responsibility for 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 using process , and we will try to help you.

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