

## ZS-GF-118 | RTV-2 Condensation Silicone Potting Compound



ZS-GF-118

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**Package:**

22KG/kit (A:B=10:1)

**Color:**

Transparent

**Shelf life:**

6 months from the manufacturing date under 27°C

**Compliance:**REACH  
ROHS**Application methods :**

Manual or automated dispense

118 is a flowable transparent two-component condensation silicone potting compound with room temperature cure. During the curing process, it releases a small amount of small molecules that are not harmful to the product, and has good adhesion to most materials

**Features:**

- High transparency and good yellowing resistance
- Good dielectric properties
- Flexible and stable from - 40 °C to + 200 °C after cured
- Softer hardness and excellent toughness are good for protecting components

**Applications:**

- Suitable for potting/encapsulant material and protecting various electronic devices
- LED Lighting encapsulation, like lamp bars, backlight and solar cells

**Operation&Notes:**

1. Before mixed: Part A and Part B should be thoroughly stirred before mixing together.
2. When mixed: Thoroughly mixed at weight ratio of 1:1 and stir uniformity. Varying the mixing ratio between 8:1 and 12:1 usually has a small effect on the properties of the cured rubber. However, if the mixing ratio differs substantially from the recommended scope, preliminary tests should be carried out to check the cured material's suitability.
3. De-airing: after mixing which be in vacuum de-airing for 1-3 minutes would be much better.
4. Potting: mixed compounds should be put into the application as soon as possible to prevent being thickening.
5. Curing: Room temperature curing. Moreover Curing speed can be slightly accelerated by raising the temperature. Heating, however, must not exceed 60 °C.

It takes at least 24 hours to fully cure, which will also depend on the environmental temperature and humidity. If the depth > 6mm, the time to fully cure the bottom will be prolonged.

**Technical service & safety:**

Technical details are available for customers.

For more information about safety, please refer to the MSDS.

**Transport and storage:**

This product is non-flammable and not explosive, and can be delivered by normal means of transportation. The products should be stored under 27° C, in the cool and dry place.

**Technique parameters:**

Item		Part A	Part B	Test method
Uncured	Appearance	Translucent Flow	Translucent Flow	Q/ZS 1-2016
	Viscosity(cps,25°C)	1200 ~ 1800	10 ~ 30	GB/T 10247
	Mixing ratio by weight	10 : 1		Q/ZS 1-2016
	Viscosity after mixing(cps,25°C)	1000 ~1400		GB/T 10247
	Working Time ( min , 25°C )	30-60		Q/ZS 1-2016
	Curing time ( hr , 25°C )	3-5		GB/T 531.2
Cured	Hardness(shore A)	12-18		GB/T 531.2
	Dielectric strength ( kV/mm)	≥18		GB/T 1695
	Dielectric constant ( 1.0MHz )	3.0-3.3		GB/T 1694
	Volume Resistivity ( Ω·cm )	≥1.0×10 <sup>14</sup>		GB/T 1692
	Specific gravity(g/cm <sup>3</sup> )	0.95-1.00		GB/T 13354

**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.