

## Two Component Waterproof Organic Silicone Potting Sealant

### INTRODUCTION

GLT - 318 is a transparent condensation type room temperature deeply cured two-component silicone potting sealant. No need any primer coating before potting. Has good adhesion with most of materials, suitable for fixing and bonding the electronic accessories. It will play a role in protecting the accessories from water, dust and leak.

### FEATURES

1. It is used for fixing and insulating the electronic accessories or PCB.
2. It will play a role in protecting the accessories or PCB from water, dust and leak.

### APPLICATION

Used for Potting and encapsulating Indoor-outdoor LED strips or LED display or other electronic products.

### TECHNICAL SPECIFICATIONS UNCURED AND CURED

Performance Index		Standard	GLT - 318
Uncured	Appearance	Visual Inspection	Clear liquid (A) Clear liquid (B)
	Viscosity for A (cps, 25°C)	GB/T 2794-1995	1000~1300
	Viscosity for B (cps, 25°C)	GB/T 2794-1995	5 - 10
Operating Characteristics	Two Components Mixing Ratio (weight ratio)	Test at Operating System	A : B = 10 : 1
	Relative Density (g/cm <sup>3</sup> )	GB/T 533-2008	0.98~1.02
	Mixed viscosity (cps)	GB/T 2794-1995	600~800
	Operable Time (min, 25°C)	Test at Operating Environment	30 - 45
	Surface Drying Time (min, 25°C)	GB/T 13477.5-2002	35 - 65
	Full cure time (h, 25°C)	Test at Operating Environment	24
Cured	Hardness (shore A)	GB/T 531.1-2008	10 - 2
	Dielectric Strength (kV/mm)	GB/T 1695-2005	≥20
	Dielectric Constant (1.2MHz)	GB/T 1693-2007	3.0
	Volume Resistivity (Ω-cm)	GB/T 1692-2008	1×10 <sup>14</sup>
	Operating temperature range (°C)	Test at Operating Environment	-50~200
	Elongation at Break (%)	GB/T 528-2009	120
	Tensile Strength (MPa)	GB/T 528-2009	0.2

All Performance data in this sheet was measured at 25°C, relative humidity 55% condition, 7 days after curing. We will not undertake the related responsibility for the data obtained from different test conditions or modified products.

## **PACKING DETAILS**

A: 18Kg/Barrel, B: 5Kg/Barrel

## **STORAGE AND TRANSPORTATION**

1. Must be stored in a cool dry place (Under 25°C). The shelf-life is 6 months (Under 25°C).
2. It is non-dangerous goods, can be transported as normal chemicals. Be careful of leakage during the transportation!
3. The product that is beyond its shelf life must be confirmed well before use.

## **IMPORTANT NOTICES**

1. Sealed for Storage. Sealant after mixed should be used out immediately, to avoid any waste.
2. This product is not dangerous goods, but don't get any touch with eyes and mouth.
3. After long time storage, the padding in the sealant will be some deposit, please stir it well before use. Does not affect its performance.

## **NOTE**

The dates contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof.

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