

GLT - 983



Addition-Type Two Components Silicone Potting Sealant.

FEATURES

- High transmittance
- High purity
- Excellent moisture resistance
- Good adhesion
- Addition Reaction (Two Components)
- The hydrosilylation process of platinum catalyzed
- High optical transparency and good anti-foaming

APPLICATION

This product is a high-purity two-components room temperature or medium temperature (100°C) cured silicone sealant. Mainly used for high power electronic components, It will play an excellent role at moisture, impact resistance, anti-vibration. Can still maintain stable optical properties, mechanical properties and electrical properties Under harsh environmental.

STORAGE AND SHELF LIFE

1. Must be stored in a cool dry place (Under Room Temperature 20°C).
2. It is recommended that the unused products should be re-sealed with dry Nitrogen.
3. The shelf life is 18 months from the date of manufacture. It can be extended if stored at 0°C or below 25°C, It can reach a shelf life of 2 years.

INSTRUCTIONS FOR USE

- 1) Insure that the surfaces to be sealed, coated or bonded are clean and free from the moisture with heating; The Surface can be cleaned with naphtha, methyl ethyl ketoxime (MEK) or other suitable solvents. It is not recommended to use any solvents which will be corrosive or soluble for the surface.
- 2) Weigh A - B according to the recommended mixing weight ratio (A: B = 1: 1) firstly, then put A - B into a clean glass container and mix them uniformly.

PACKING DETAILS

40KG/Set. A component: 20kg + B component: 20kg

- High dimensional stability, soft and bright after curing
- Suitable for potting protection of high-power electronic components.
- Good protection function for electronic components (such as waterproof, moisture-proof, shock proof, anti extrusion, anti-aging and other protection functions)
- Cured at room temperature or medium temperature (100°C),no any by-product released during the curing .

TECHNICAL SPECIFICATIONS UNCURED AND CURED

Uncured	
Appearance	Transparent liquid
Viscosity for A component 25°C (mPa.s)	550-700
Viscosity for B component 25°C (mPa.s)	300-500
Mixed viscosity 25°C (mPa.s)	400-600
Mixed refractive index (ND25)	1.41
Surface drying time 25°C (min)	60-90
Cured	
Two component mixing ratio	1:1
Dielectric constant	≤ 4.0
Volume resistivity	1×10 ¹⁴
Hardness (Shore A)	23±3
Thermal Conductivity (W/mk)	>0.2
Flame Retardant	UL-94

- 3) We recommend vacuum defoamation (in the vacuum of 10mmHg) before potting and encapsulating.
- 4) For best performance, the mixed sealant should be used out ASAP.
- 5) The initial cure time is about 7 hours at room temperature, full cure time is about 24 hours. Extend the cure time or raise the temperature when the temperature is below 25°C,which will be helpful for the product get full cured; it also can be fully cured with heating for 30 - 45 min.