

# Two Component Silicone Potting Adhesive

## SI2225



### ■ Product Description

SI2225A/B is used in potting protection of varied components. It can vulcanize to deep layer. The two components have a good fluidity after mixing. The operation time can be adjusted with the proportion of hardener part B. It can bond well with most materials without using any primer. It can be used to fix the accessories to resist water, dust and leakage of electricity.

### ■ Key Features

1. Two-component high transparency liquid silicone rubber, condensation dealcoholization type
2. Low viscosity, easy to process and operate
3. Low hardening condensation, no corrosion and stressless
4. Excellent electric insulativity and stability in high temperature
5. Excellent bonding ability, good water-proof and moisture-proof property

### ■ Typical Applications

Used for Automotive electronics, modules like Power control modules, Solar modules, Junction box, LED spotlight, Wall washer light, Strip lights, LED fluorescent lamp, etc.

### ■ Technical Data Table

PROPERTY	UNITS	PART A					PART B	
		2225T	2225M	2225W	2225W-1	2225B	2225T	2225
----	----	2225T	2225M	2225W	2225W-1	2225B	2225T	2225
Color	Visual inspection	Colorless transparent fluid	Matte transparent white fluid	White fluid	White low viscosity fluid	Black fluid	Colorless fluid	Colorless fluid
Viscosity	25 °C, cps	1,300	1,800	3,500	2,100	2,100	50	50
Density	25 °C, g/cm <sup>3</sup>	1.02	1.03	1.18	1.18	1.18	0.98	0.98
Corresponding curing agent (Part B)		2225T	2225T	2225	2225	2225	---	---
Mixture/mass ratio	----	A:B=100: (10±3)						
Viscosity of mixture	25 °C, cps	1,000	1,000	2,300	1,500	1,500	---	---
Operation time	25 °C, min	40	40	40	50	40	---	---
		The operation time can be adjusted with the proportion of hardener part B.						
Surface hardening time, min		70~180						
Cured appearance	----	Colorless transparent elastomer	Matte white elastomer	White elastomer	White elastomer	Black elastomer	---	---

# SI2225

## Technical Data Sheet



Hardness	Shore A	21	21	28	15	12	---	---
Tensile strength	MPa	1.0	1.0	1.2	1.2	1.2	---	---
Shear strength	MPa	0.3	0.3	0.7	0.7	0.7	---	---
Loss factor	1 MHz	< 0.008						
Dielectric strength	kV/mm, 25 °C	≥20						
Volume resistance	DC500V, Ω·CM	1.1 × 10 <sup>15</sup>						
Dielectric constant	1 MHz	< 3.00						
Long-term apply temperature	°C	-50~150						

Note: Above operation time was resulted based on 110g mixture, all data of cured state were tested after 7 days curing under 25 °C, 55%RH.

### ■ Directions for Use

- Mix Part A and Part B by 100:10 mass ratio, after evenly mixed, pouring directly into the components or modules as per requirements. It's recommended to slowly pour along the walls of the implements, so as to reduce the bubbles happens.
- Still the potted component to let out the bubbles. Vacuum defoaming process of the mixture before potting can improve the performance.

### ● Typical Applications

Applications	LED modules \Lamps	PV modules/Junction box	Automobile / Power modules
Operation time, min	50	25	45
Curing time, hour	5	L2.5	5

### ■ Packing and Storage

SI 2225T, SI 2225M, SI 2225B, SI 2225W, SI 2225W-1:

Part A--10 KG/Bucket, Part B--1 KG/ Pot.

When stored at or below 25 °C in the original unopened containers, this product has a usable life of 12 months from the date of production. It's non-dangerous goods, can be transported and stored as normal chemicals.

### ■ Safety Operation Data

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from SEPNA or other distributors, or mail to service center [sepna@sepna.cc](mailto:sepna@sepna.cc), or call +86-400-882-1323.

### ■ Warranty and Liability

All product properties and application details based on information believe to be reliable and accurate. But you still need to test its property and safety before application. The advices we supply don't apply in any circumstances. SEPNA don't make assurance of any other applications outside the specification until SEPNA supply a special written guarantee. SEPNA is only responsible to replace or refund if this product is defective within the warranty period stated above. SEPNA makes it clear that will not be liable of any accidents.