

SI8125A/B

Silicone Potting Sealant

Premium Quality & Ultimate Service

Two Component Silicone Potting Adhesive

SI8125A/B



■ Technical Data Table

TESTING ITEM	TESTING STANDARD	Part A				Part B		
		8125T	8125M	8125W	8125W-1	8125B	8125T	8125
Color	Visual inspection	Colorless transparent fluid	Matte transparent white fluid	White fluid	White low viscosity fluid	Black fluid	Colorless fluid	Colorless fluid
Viscosity, cps , 25°C	GB/T 10247-2008	1,300	1,800	3,500	2,100	2,100	50	50
Density,,g/cm3, 25°C	GB/T 15223-1994	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 ratio	Weight Ratio	A:B=100: (10±3)						
Viscosity of mixture,25°C, cps	GB/T 10247-2008	1,000	1,000	2,300	1,500	1,500	---	---
Operation time,mins , 25°C	GB/T 10247-2008	40	40	40	50	40	---	---
		The operation time can be adjusted with the proportion of hardener part B.						
Surface hardening time, min	GB/T 10247-2008	70~180mins						
Characteristics after curing								
Cured appearance	Visual inspection	Colorless transparent elastomer	Matte white elastomer	White elastomer	White elastomer	Black elastomer	---	---
Hardness, Shore A	GB/T 531-2008	21	21	28	15	12	---	---
Tensile strength,Mpa	GB/T 528-2009	1.0	1.0	1.2	1.2	1.2	---	---
Shear strength,Mpa	GB/T 7124-2008	0.3	0.3	0.7	0.7	0.7	---	---

SI8125A/B

Silicone Potting Sealant

Premium Quality & Ultimate Service

Loss factor (1 MHz)	GB/T 1693-2007	< 0.008
Dielectric strength,kV/mm,25°C	GB/T 1695-2005	≥20
Volume resistance DC 500V , Ω·CM	GB/T 1692-92	1.1×10 ¹⁵
Dielectric constant(1 MHz)	GB/T 1693-2007	< 3.00
Long-term apply temperature,°C	GBT 20028-2005	-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.

■ Product Description

●SI8125A/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.

■ 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.

■ Key Features

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

moisture-proof property

■ Packing Specification

- ◇ SI8125T,Transparent, code: 0104020
Part A: 10kg/drum ; Part B: 1kg/pot
- ◇ SI8125M, Matte transparent white, code: 0104050
Part A: 10kg/drum ; Part B: 1kg/pot
- ◇ SI8125B , black, code: 0104000
Part A: 10kg/drum ; Part B: 1kg/pot
- ◇ SI8125W, white, code: 0104010
Part A: 10kg/drum ; Part B: 1kg/pot
- ◇ SI8125W-1,White low viscosity, code: 0104040
Part A: 10kg/drum ; Part B: 1kg/pot
- ◇ Customized packing

■ Transport &Storage

- 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 as normal chemicals, CAUTION leakage during transport.

SI8125A/B

Silicone Potting Sealant

■ 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.

■ Attention of operation

- Keep away from Children
- Avoid contact with eyes and skin. If contact with your skin, scrub first with soap water or alcohol, then rinse with water. If contact with your eyes, rinse with plenty of water, and seek medical treatment immediately.
- It is forbidden to build on the surface of the wet substrate.

● 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

■ Safety Operation Data

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from MAXTECH or other distributors, or mail to service center maxtech@shmaxtech.com

■ 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 advice we supply don't apply in any circumstances. MAXTECH don't make assurance of any other applications outside the specification until MAXTECH supply a special written guarantee. MAXTECH is only responsible to replace or refund if this product is defective within the warranty period stated above. MAXTECH makes it clear that will not be liable of any accidents.

Special Notes: All recommendations concerning our products, including transportation, storage, and handling are based on our current knowledge and experience under normal conditions. In practical application, results may differ because of materials and actual site conditions change, our company won't guarantee or bear any legal responsibility. In order to ensure the bonding effect and the compatibility of products and materials, it is recommended to do the compatibility test or consult MAXTECH Technical Services before proceeding with the full application.