

Two Component Flexible Silicone Gel

SI2721



■ Product Description

SI2721A/B is two-component transparent silicone elastomer catalyzed by platinum. After mixed, Part A and Part B will cure to flexible buffering removable material to stick with skin. This adhesive has unique physical property. It's proper to be used in biomedical as bonding and self-adhesion material. This elastomer is made from PDMS catalyzed by platinum. Cure temperature range: from room temperature to 200 °C, won't produce any by-products.

■ Key Features

1. Solvent free two component material
2. Transparent both before and after cured
3. Platinum catalyzed curing system
4. No by-products after curing
5. Low viscosity before cured, easy to application
6. Excellent flexibility, free from stress
7. Extremely low oil exudation, good anti-poisoning
8. By adjusting the mix rate of part A and part B, can adjust the gel adhesion
9. It can stick repeatable
10. It can use with polyethylene release liner
11. Pass test of physiological compatibility, poison cell, skin stimulus etc.

■ Typical Applications

1. Suitable for sticking with skin, used for wound stickers, Scar sheet, eye patch and Nipple cover
2. Also for filling the cover bag of headrest, seat lumbar pad etc.

■ Technical Data Table

PROPERTY	STANDARD/UNITS	VALUE of SI2721	
		PART A	PART B
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Material	----	Polysiloxane	Hydrogen polysiloxane
Color	Visual inspection	Transparent Liquid	Transparent Liquid
Viscosity	25 °C, cps	950±150	550±150
Density	25 °C, g/cm ³	0.99	0.99
Mixture/mass ratio	----	A:B=100: (80~120)	
Viscosity of mixture	25 °C, cps	800±150	

SI2721

Technical Data Sheet



Operation time	25 °C, min	>60
Cure condition	RTV or HEAT	25 °C /6 hour; 120 °C /5min
Cured appearance	----	Transparent gel
Application temperature	°C	-60~200

Note: The operation time was results based on testing 100g mixture; curing condition data was tested under 25 °C,55%RH. Adjusting the mix ratio of Part A and Part B would affect the hardness of the gel. (Increase the mass of Part B, will improve the penetration of the gel, the gel becomes softer and better adhesion; on the contrary, decrease Part B, the penetration of gel becomes less, the gel becomes stiffer with less adhesion.)

■ Directions for Use

Mix Part A and Part B by 1:1 mass ratio, after evenly mixed, standing 10 minutes later, then pouring directly into the modules slowly along the walls of the implements, so as to reduce the bubbles happens Still the potted article to let out the bubbles. It can be cured by heat, about 2~5 minutes under 120 °C (depending on the thickness of gel). It needs about 6-10 hours to cure under room temperature.

- Vacuum defoaming can improve the performance of cured product.
- Seal the remaining products tightly after use.
- Low temperature will slow the curing speed; heat curing is recommended.
- It's hard for SI2721 to cure if contact with sulfur, amine or Sn

■ Packing and Storage

Part A—20 KG/Bucket, Part B—20 KG/ Bucket; Part A—200 KG/Drum, Part B—20 KG/ Drum.

Part A is also available in 200 kg metal drums accompanied by the corresponding 200 kg of Part B.

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. Sealed and stored avoid from light and heat.

It's non-dangerous goods, can be transported as normal chemicals, CAUTION leakage during transport.

■ 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, 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.