

Two-component Additive Organic Silicone Sealant Specification

Product performance

AB potting sealant is a two-component additive organic silicone sealant with low viscosity, excellent thermal conductivity, good fluidity, available curing at room temperature and heating, good aging resistance at high temperature, stable elasticity within a wide temperature range (-60-250°C) after curing, excellent insulation performance, and good waterproof and anti-aging performance.

Application

This sealant is applied to general electronic components, power modules and circuit boards, as well as all kinds of electronic appliances, power supply, such as car HID lamp module power supply, automotive ignition system module power supply, network transformer, etc.

Technical Data

Product	A55-L			
Color	White	Grey	Elongation at break rate /%	≤100%
Proportion	1	1	Dielectric constant	2.8-3.3
Viscosity /mPa · s	2800-3400 mpa's	2400-2800 mpa's	Volume resistivity/ Ω · cm	≥1.0×10 ¹⁴
Specific gravity	1.66±0.02	1.68±0.02	Dielectric strength /kV/mm	≥14
Curing time	2-4h/25°C, 10-20min/80°C		permittivity	≤4.0
Operation time	60-120min/25°C		Thermal conductivity /W/m/K	0.8±0.1
Viscosity /mPa · s (after biending)	2800-3400mpa's		Hardness /shore A	50±5

Note: the curing process of this product is affected by temperature. The higher the temperature is, the shorter the operating time and complete curing time will be.

Instructions

- Weighing: mixing A and B liquid according to accurate proportion at 1:1 (the components of A and B should be stirred thoroughly and evenly before mixing, so that the filler on the bottom will be dispersed evenly into the silicone oil, so as not to affect the product properties.

- Mixing: operating by hand or machine to make it into uniform color. Hand make mixing should pay attention to the one-off dispensing quantity should not be too much, so as not to affect its fluidity.
- Filling: pouring the mixture out of air bubble into device (keep surface of components and tools clear and dry.
- Solidify: curing in room temperature or heating. The viscosity of the mixture will increase gradually with the increase of time. So it is suggested to control the operation time.

Package

- 50kg/set (component A 25kg + component B 25kg)

Technical service

- ◆ Providing complete technical data of the product.
- ◆ Adjust the formula of product according to customer's requirement to satisfy customer for some special properties in the product.
- ◆ Welcome users, our valuable customer, to cooperate, communicate and searching solution with our engineers.

Attention

- ◆ Seal silicone products. It is suggested to finish mixture at a time, avoiding waste
- ◆ This product is non-dangerous, but do not import and touch eye.
- ◆ The potting sealant is vulcanized by platinum, and some materials, chemicals, curing agents and plasticizers can inhibit glue curing.

Pay attention to the following materials

A: Organotin and containing organotin silicone rubber

B: Sulfur, polysulfide compounds or sulfur-containing substances

C: Amine, polyurethane rubber or containing ammonia substances

D: Phosphorus or containing phosphorus substances.

E: Acidic substances (organic acids)

F: Flux residue

Storage

- The period of validity of components A and B in sealed below 30 °C is six month from its fresh date. the components of A and B should be stirred thoroughly and evenly before mixing, so that the filler on the bottom will be dispersed evenly into the silicone oil, so as not to affect the product properties.