

# ANTAS-Potting Compound for PV Modules

# 162

## Feature

Two-component room temperature curing silicone potting compound, The curing time is adjustable ,UL 94-V0 certified. After cured, it has excellent weathering and insulation performance.



## Applications

- ▶ Potting materials for PV junction box & solar module.
- ▶ Suitable for waterproof and sealing materials of vehicle lights, lamp bars, wall washing lamps, etc.
- ▶ Potting and protecting various electronic devices.

## Uncured properties

A:B mixing ratio (volume/weight)	4:1/6:1
Part A Specific Gravity (g/cm <sup>3</sup> )	1.48
Part B Specific Gravity (g/cm <sup>3</sup> )	0.96
Working Time (min@25°C)	15
Curing time (min@25°C)	50

**Note:**The curing rate by the temperature and relative humidity.

## Cured properties

The thickness of the test sample is 2mm, cured 24 hours at 23±2°C and 50±5%RH, the test temperature is 25°C

Working temperature (°C)	-50 to +200
Break Elongation (%)	80
Tensile strength (MPa)	1.2
Hardness (shore A)	42
Volume Resistivity (Ω·cm)	1.0*10 <sup>15</sup>
Dielectric Strength (kV/mm)	20
Thermal Conductivity (W/m·K)	0.5

Properties after aging (at 85 °C and 85RH test 1000h)

Break Elongation (%)	70
Tensile strength (MPa)	1.0

## Operation

Recommended mixing ratio of the A:B = 4:1 (volume), if you need to change operational conditions, respond to changing the mixing ratio and simple test application. Usually the amount of component B increases, the shorter the curing time and the working time will be shorter.

Manual mixing, if desired potting deeper depth, surface and internal bubbles or voids may occur, the mixture should be placed in a vacuum vessel, de-airing at least 5min under -0.09Map.

## Storage and shelf life

- Stored in its original unopened package in a dry and shady place below 27°C
- 6 months from manufacturing date

## Notes

- When operating, ensure ventilation
- Avoid letting uncured glue contact the skin for a long time
- if in eyes, Should quickly rinse with plenty of water and get medical attention.
- This product cannot be used in pure oxygen or oxygen-rich systems, and cannot be used to seal chlorine or other strong oxidizing materials.
- Keep out of reach of children.

For more information about safety, please refer to the MSDS.

## Package & Colors

Part A: 12kg, Part B: 2kg  
Part A: white or black, Part B: clear or light yellow