

## Electronic Potting Silicone (Condensation Cured)

### ***Product Description:***

Condensation cure electronic potting silicone rubber is two-component condensation cure silicone with the characteristics of low viscosity, easy pouring operation, good bonding feature. The safety of potting compound silicone can reach the EU-ROHS requirements fully.

### ***Application:***

it is mainly applied for the surface of polycarbonate, PP, ABS, PVC, metal etc., which is suitable for the electronic moisture-proof and waterproof, fixed. It is applicable to sealing bonding coating LED for electronic parts.



### ***Appearance:***

**Part A:** a transparent liquid colloid

**Part B:** a transparent liquid colloid.

**ATT:** We do any curing time as you requirements

### ***Characteristics***

Electronic potting compound is a kind of two component (10:1 mixing ratio) tin cure silicone with characteristics of heat-conducting, low viscosity, inherent flame resistance, waterproofing, etc. It can cure both at room temperature.

**Features:**

- ✧ Great low viscosity
- ✧ environmental, odorless and nontoxic
- ✧ Mixing ration: 1:1 and 10:1 are available
- ✧ Perfect adhesion
- ✧ Resistant to radiation&abrasion
- ✧ High resistance to high temperature and aging(resist -60 to 250°C)

**Model Code:** D8315, D8320

**Technical Data:**

**Notes:** The data are based on the operation under room temperature of 25 °C.

Typical general Characteristics	Inspection Method	Model Code	
Product data (Catalyzed A+B)		D8315	D8320
Hardness	Shore A	15±2	20±2
Mix Ratio	A:B	10:1	10:1
Color	/	Transparent	Transparent
Pot life	25 °C (77F)	60-120mins	60-120mins
Demold time	25 °C (77F)	12- 24h	12- 24h
Viscosity	mPa·s	2000±500	1500±500
Thermal Conductivity	W/(m·k)	0.2~0.3	0.2~0.3
volume resistivity	(Ω·cm)	10 <sup>14</sup>	10 <sup>14</sup>
Flame-retardant level	/	V-1/ V-0	V-2
Shrinkage	%	≤0.1	≥25

**Packing:**

**Part A :** 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in white color

**Part B:** 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in sky blue color



### ***Storage & Shelf Life:***

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1Year at least, stored in a cool and dry place under room temperature 25℃

### ***Operation Method:***

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1. Pouring by man making
2. Injecting by machine



### ***Caution - Safety First !!!***

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1. Read the material safety data sheet(MSDS) before use.
2. Keep Out Of Reach Of Children.
3. Be careful. Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15mins and seek immediate medical attention. Remove from skin with water-less hand cleaner followed by soap & water.

