

Electronic Potting Silicone (Condensation Cured)

INTRODUCTION

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.

FEATURES

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

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.

PACKING

- Part A : 1kg, 5kg, 20kg, 25kg, 200kg Package
- Part B: 1kg, 5kg, 20kg, 25kg, 200kg pac

TYPICAL PROPERTIES

Typical general characteristics	Inspection method	Value	
		A	B
Product data (Catalyzed A+B)		A	B
Mixing ratio	A:B	10:1	10:1
Colour		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	2000±500
Thermal conductivity	W/(m·k)	0.2~0.3	0.2~0.3
Volume resistivity	(Ω·m)	10 ¹³ ~10 ¹⁴	10 ¹³ ~10 ¹⁴
Flame-retardant level		V-2	V-2
Shrinkage	%	≤0.2	≤0.2
Hardness	Shore A	15±2	20±2

STORAGE & SHELF LIFE

1 year at least, store in a cool and dry place under room temperature 25°C

CAUTION

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 15 mins and seek immediate medical attention. Remove from skin with water-less hand cleaner followed by soap & water

OPERATION METHOD

1. Pouring by man making
2. Injecting by mach