

PT 300

Clear Potting Epoxy

Description

PT 300 is a two-part clear potting compound based on epoxy resins. When fully cured the surface is glossy, blush free and hard. It has very good scratch and water resistance. This system has enhanced adhesion and wets glass, ceramics, most plastics and metals well. The mixed epoxy has low viscosity to ensure good flow, good seepage into every corners and minimal trapping of bubbles. It is specially developed for low stress potting and encapsulation of electronic components.

Applications

1. Two part low stress epoxy adhesive for general encapsulation.
2. Clear potting epoxy for electrical and electronic devices.

Guidelines for Use

1. Mix A and B using the recommended ratio. Changing the ratio will affect the cure time.
2. The encapsulant will harden in approximately 2 hours.
3. Working the adhesive after 20 minutes may tend to trap bubbles.
4. The encapsulant will harden in about 2 hours. Full hardness will be achieved in 1 day.
5. Wipe off any excess uncured adhesive with a piece of dry cloth or tissue. Further cleaning may be achieved with tissue wetted with iso-propanol (IPA).

Properties

Property	Test Method	Unit	Typical Value		
			Part A Resin	Part B Hardener	Mixed
Chemical type	-	-	Epoxy	Amine	
Appearance	Pen 10	-	Transparent	Yellowish	Yellowish
Mix ratio, by weight	-	-	3.0	1.0	
Shelf life, 25°C	Pen 26	Month	12	12	
Pot life, 25°C	Pen 26	Min			20
Viscosity, CAP2000+ viscometer, 25°C	Pen 44	cP	7,000	220	1,700
Hardness, cured 25°C for 24 hr	Pen 29	Shore D			70

Recommended Cure

Schedule	Temp.	Cure time
A	25 °C	3 hr

* 10g sample

Note: Cure time may vary with different sample size due to curing exotherm.

Storage

Tightly close original container of unused product. Store in a cool and dark place. Do not exceed 50°C during storage.

Packaging

- 1 kg plastic bottle
- 5 kg plastic bottle

Environment, Health & Safety

This product is RoHS compliant. It does not contain any known carcinogenic, mutagenic or teratogenic components.

Contact Information

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