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Management System
ISO 9001:2015
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CT 682
Acrylic Conformal Coat

Description

CT 682 is a clear, colorless acrylic system suitable for coating and protection of electronic components and printed circuit boards. This conformal coat provides excellent moisture and environmental protection. It is a one-component, solvent-based, air-dried coating system. It has a fluorescent agent for easy inspection under UV light. It is recommended for coating and protection of electronic parts, most plastics, ceramics and metals.

Applications

Water resistant conformal coat for electronic components and printed circuit boards

Guidelines for Use

1. Make sure the surfaces to be coated are free from dust and grease.
2. The liquid conformal coat may be applied by brushing, spraying or dipping.
3. Sufficient drying may be achieved by leaving at room overnight (16 hours). Complete drying may take several days. Faster drying may be achieved by heating in a convection oven, eg. 30 minutes at 80°C.
4. Wipe off any excess coating material with a piece of dry cloth or tissue. Further cleaning may be performed with tissue wetted with iso-propanol.
5. Typical tack-free time for thin films is less than 30minutes.

Properties

Property	Test Method	Unit	Typical Value
Chemical type			Acrylic
Appearance	Pen 10		Clear liquid
Mix ratio, by weight			One component
Shelf life, 25°C	Pen 26	Month	12
Viscosity, Brookfield RVT, 25°C	Pen 11	cP	26 6
Hardness, 80 °C for 1 hr	Pen 29	Shore D	50
Dielectric constant, 1MHz, 25 °C	Pen 21		2.5
Solids content	Pen 19	%	40
Glass transition temperature		°C	85

Recommended Cure

Temperature	Cure Time
25°C	16 hr
80°C	30 min

Storage

This material is inflammable. Store unused material in an air-tight container away from high temperatures and ignition sources.

Packaging

- 1 kg can

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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