



JD-625

PCB Conformal Coating

UL File No. E354546

Features

JD-625 is a translucent room temperature vulcanizing coating with a working temperature range of -60°C to 200°C after cured.

The cured compound is moisture resistant, electric resistant, weather resistant, and ozone resistant, also has excellent adhesion, elasticity and good electrical properties.

Applications

Designed for thin or thick film applications on electronic components and printed circuit boards. It provides long-term coating against ambient moisture and contaminants.

Typical specifications

| | | |
|---------------------|---|--|
| Color | : | Translucent (Clear after cured) |
| Viscosity | : | @25°C 1,000 - 1,200 cps |
| Solid Content | : | 50 - 55 % |
| Tack-free Time | : | @25°C 20 - 45 mins (depends on coating thickness) |
| Cure Time | : | (Thin film) 25°C x 24 hrs(48hrs to get full cure) OR 60°C x 6 - 10 hrs |
| Hardness | : | Shore A 20 - 25 |
| Dielectric Strength | : | 18 kV/mm (457 volts/mil) |
| Volume Resistivity | : | 1.0 x 10 ¹⁵ ohm-cm |
| Surface Resistivity | : | 1.0 x 10 ¹⁴ ohm |
| Dielectric Constant | : | 3.0 |
| Flammability | : | UL94 V-0 |
| Shelf Life | : | @25°C, Unopened 6 Months |

Usage

- JD-625 exhibits outstanding adhesion to most metals and non-metallic objects. Preprocess and clean the surfaces which will be coated beforehand to ensure the best performances and results.
- After contacting with moisture in air, JD-625 will start curing from the surfaces to inner sections. The curing speed is related to the thickness of JD-625 applied, humidity in air and temperature. The thicker JD-625 applied or the lower the relative humidity is, the longer the curing time will be. Hence, heat curing may be considered.
- For the best result or to get a thicker film, please always apply a thin film (0.1~0.2mm) first and just repeat the same operation twice or more times after each thin film previously applied is surface cured.
- After opened, the container must be sealed tightly to avoid water contamination which will reduce the shelf life of the remaining product.

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