

Renice Conformal Coating Technology

Destription

SINWE 145 is a kind of single component low viscosity polyurethane resin, this product is easy to operate: it is suitable for brush coating, spray coating, dip coating, curing speed is fast, it has good adhesion to all kinds of circuit boards. Red formula for easy observation and confirmation of use. The SINWE 145 has good temperature resistance and good thermal aging performance at 130°C; Solidified into a transparent protective film, with superior insulation, moisture-proof, anti-leakage, shock, dust, corrosion, aging, corona resistance and other properties.

Application & Usage

SINWE 145 is widely used in hybrid integrated circuit, automobile electronic control board, electronic circuit board, aviation instrumentation, flexible printed circuit board, computer control board, industrial control board, semiconductor crystal circuit protection, home appliance controller, and other electronic parts.

Fluorescent indicator

SINWE 145 contains fluorescent indicator, which can quickly and clearly know the coating area.

Technical parameters

	<i>Test Item</i>	<i>SINWE 145</i>
Before the Curing	Color	Transparent
	Viscosity (Pa.s)	50
	Non-volatile matter content	> 37%
	Density (g/cm ³)	0.85
	Tack free time@25°C (min)	< 15
After the Curing	Strength of extension (Mpa)	5.5
	Elongation at break (%)	350
	Hardness (shore A)	85
	Shear strength (Mpa)	6.5
	Peel strength (N/mm)	> 20
	Dielectric strength (kv/mm)	50
	Dielectric constant (@60Hz)	3
Volume resistivity (Ω · cm)	2.0×10 ¹⁶	

Note: All mechanical and electrical properties were measured after curing for 7 days at 25° C and 75% humidity.

Salt spary resistance

SINWE 145 has outstanding properties of "moistureproof", "salt spray proof" and "mould proof".

Good waterproof performance, in the humid environment, the paint film still does not lose its good dielectric performance;

Strong oxidation resistance, thermal stability, anti-aging, can withstand a variety of different concentrations of acid, alkali, salt corrosion;

The SINWE 145 can be cured at room temperature or low temperature, paint film compact bright, strong adhesion, and decorative;

SINWE 145 application renderings



Health and Safety

SINWE 145, like most paint materials, should avoid smoke inhalation or direct contact with the material. The solvents can cause irritation and other symptoms such as headaches, pain, and the effects of prolonged exposure.

Wear safety glasses and disposable protective film gloves for a short time (less than 4 hours).

If splash into eyes, rinse immediately with plenty of water.

Rinse immediately after skin contact with soap and plenty of water.