

LINQCOAT PC-3112



Fluorinated Electronic Protective Coating

- Provides moisture protection
- Quick dry time (3-5 seconds)
- 0.1-1 micron coating thickness

Conformal Coating PC-3112 is a non-toxic, transparent, fluoropolymer conformal coating engineered to create an ultra-thin film layer ranging from 0.1 to 1 micron in thickness. Its rapid drying capability at ambient temperature, typically within 3 to 5 seconds, significantly enhances operational productivity. Compatible with various substrates such as metal, plastic, and glass, this coating is versatile in its application.

PC-3112 is used as a protective coating for electronic components including PCBs, providing protection from moisture, corrosion, and corrosive gases. It is a high performance conformal coating that provides increased protection, efficiency, and longevity of electronic components.

Specifications

Property	Value	Unit
Physical State	Liquid	-
Appearance	Transparent	%
Solvent	Hydrofluoroether solvent	-
Coating thickness	0.1-1	micron
Freezing Point	-135	°C
Boiling Point	61	°C
Vapor Density	8.6	kg/m ³
Density	1.5	g/ml
Viscosity (@23 °C)	0.6	mPa-s
Water Solubility	<12	ppm
Volatile Substance %	98	%
Cure time	3-5	seconds
Glass Transition Temp	44	°C
Static contact angle	120°	on glass
Dynamic phase difference angle	18°	-

Storage and Handling

Shelf life is 3 years if the product is kept in a cool (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes.

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