

LINQCOAT PC-1032



Low Viscosity Acrylic Conformal Coating

- Acrylic chemistry
- Transparent
- Dielectric Strength 30 kV/mm

LINQCOAT PC-1032 is a single-component, acrylic, low viscosity neutral polymer composite material that offers ease of application through spraying, dipping, or brushing. It exhibits impressive resistance to both high and low temperatures. Once cured, it creates a transparent protective film renowned for its exceptional insulation, moisture-proofing, leakage prevention, shock absorption, dust resistance, anti-corrosion properties, as well as resilience against aging and corona effects. Due to these attributes, it finds widespread application in surface coating protection for electronic components.

Specifications

Property	Value	Unit
Color	Transparent	-
Solid content	>35	%
Viscosity	400-800	mPa·s
Density	1.0±0.1	g/cm ³
Tack Drying Time	3 ~ 10	min, 25 °C
Full Curing Time	80 °C 3 minutes	
Tensile strength	4.5	MPa
Elongation at break	30	%
Hardness	65	Shore A
Shear strength	2.5	Mpa
Peel strength	>6	N/mm
Dielectric Strength	30	kV/mm
Dielectric Constant (1.2 Mhz)	2.7	1.2 MHz
Loss Factor (1.2Mhz)	2 × 10 ⁻³	1.2MHz
Volume resistance	1 × 10 ¹⁴	Ω.cm
Operating temperature	-50~120	°C

Storage and Handling

Shelf life is 2 years if kept in a cool (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes. The product is supplied in 1L, 15L, and 180L packaging.

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