

# 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 <sup>3</sup>
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 <sup>-3</sup>	1.2MHz
Volume resistance	1 × 10 <sup>14</sup>	Ω.cm
Operating temperature	-50~120	°C

### Storage and Handling

Shelf life is 12 months if kept in a cool (<20°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes and 6 months if kept in a temperature above (>20°C). The product is supplied in 1L, 15L, and 180L packaging.

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