

# LINQSOL BCP-1000

## Busbar Coating Powder

capLINQ



- Blue
- Excellent adhesion to Copper
- For medium voltage busbars

**LINQSOL BCP-1000** is a blue, busbar epoxy coating powder. This halogen free material offers good adhesion, good heat and moisture resistance, and good electrical insulation properties. It is widely applied in various low voltage busbar applications (<600V) as an insulation and moisture-proof protective layer.

**LINQSOL BCP-1000** exhibits excellent resistance to heat vibration and mechanical shock. Its excellent adhesion to copper, allows it to eliminate the air gap between busbar and insulation layer and to avoid potential safety hazards. This coating powder's excellent thermal conductivity, can transfer away the heat released by the busbar in time, and increase the service life of the busbar. Finally it is environmentally friendly with flame retardant properties and complies with RoHS directive requirements. This busbar insulation epoxy powder allows high production efficiency thanks to its fast curing characteristics. It is strongly recommend for electrostatic spraying (60-80KV) coating. It owns the best cost-performance ratio.

Recommended Curing Temperature: 200 °C x 15 min

### Specifications

Property	Value	Unit	Methods
Specific Gravity	1.45	-	-
Glass transition temperature	T1:54 - 68 T2:102 - 114	°C	-
Coating thickness	0.375 - 1	mm	-
Coating area	3.3	m <sup>2</sup>	-
Impact Strength	160	in.lbs	ASTM D-2794
Hardness	>80	-	ASTM D-2240
Breakdown Voltage	10	kV/mm	ASTM D-149
Dielectric Loss @24°C	4.3	%	ASTM D-150 1kHz
Dielectric Loss @120°C	4.7	%	ASTM D-150 1kHz
Dielectric Constant @24°C	3.5	-	ASTM D-150 1kHz
Dielectric Constant @120°C	3.4	-	ASTM D-150 1kHz
Volume Resistivity	3.7 x 10 <sup>15</sup>	ohms.cm	-
Flammability	V0	-	UL94

### Storage and Handling

Store in a ventilated, dry, and clean environment below 25°C. Keep away from fire and heat sources. It is strictly forbidden to store in outdoor environments. At proper storage conditions, the product has a shelf life of 6 months.

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