

LINQSOL BCP-1504

Busbar Coating Powder

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



LINQSOL BCP-1504 is a blue, busbar epoxy coating powder. This **halogen free** material offers good adhesion, good heat and moisture resistance, and excellent electrical insulation properties. It is widely applied in various low and medium voltage busbar applications as an insulation and moisture-proof protective layer.

LINQSOL BCP-1504 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. It can be applied by **fluidized bed** dip coating and thermal spraying, while it can also be coated by **electrostatic spraying** (60-80KV). Time and temperature are the main parameters that would affect its curing process.

Recommended coating Temperature: 180 – 240 °C. (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 ²	-
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 ¹⁵	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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