

LINQSOL BCP-1522



Low to Medium-Voltage Busbar Coating Powder

- Thermoset
- Optimized for fluidized bed coating systems
- Capable of building coatings over 200 mils (5 mm) thick

Linqsol BCP-1522 is a thermosetting coating powder designed for low to medium-voltage busbar and switchgear applications. Once cured, BCP-1522 forms a smooth, durable, and moisture-resistant coating, suitable for operations up to 38 KV. The powder allows for fast and significant coating buildup, which speeds up production cycles. It can be used effectively on both copper and aluminum busbars, creating coatings that are over 200 mil (5 mm) thick. BCP-1522 also boasts a high UL746B Relative Thermal Index (130 °C), ensuring reliable performance even under elevated temperatures. Its fine particle size (44–210 µm), which is optimized for fluidized bed coating systems, promotes uniform application and consistent coating quality.

Specifications

Property	Value	Unit
Physical Form	Powder	–
Density	1.5	g/cm ³
Gel Time at 160 °C	30	s
RTI Rating	130	°C (UL764B)
Flammability Rating	V-0	UL 94
Dielectric Strength	46	kV/mm
Dielectric Constant, 100 Hz at 25 °C	4/4	–
Dissipation Factor, 100 Hz at 25/100 °C	0.007/0.021	–
Arc Resistance	135	s

Precautions for Use

1. Bring sealed containers to the ambient temperature of the manufacturing location before opening to prevent water condensation on the product.
2. Do not open packaging while the product is colder than the manufacturing room temperature to prevent moisture condensation on the product surface. Moisture exposure can damage the product and lead to processing issues, such as incomplete curing.

Storage

Store the product in sealed containers. At 10 °C (50 °F), the shelf life of Linqsol BCP-1522 is twelve (12) months.

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