

LINQSOL BCP-1509

Busbar Coating Powder

- Red Color
- Up to 3mm thickness
- RTI Class B



LINQSOL BCP-1509 is a Reddish brown, busbar epoxy coating powder. It aims at medium to high voltage busbar applications. It performs uniform and smooth coating results from 0.3mm to 3mm. It is especially suitable for large busbar applications used for power distribution. With optimized gel time and flow, it allows large busbars with high heat capacity dip multiple times in fluidized bed to build thickness as high as 3mm without dripping and sag. BCP-1509 meets the UL 746B Relative Thermal Index (RTI) of 130°C and CTI 600V.

Recommended coating Temperature: 180 – 230 °C. (200 °C x 30 min)

Application method: Electrostatic spray: min 0.1-0.2mm

Fluidized bed: 0.3mm - 2mm

Powder properties

Property	Value	Unit	Methods
Color	Red	-	-
Gel Time@180°C	60	°C	Hot plate
Glass plate flow @180°C	18	mm	Hot plate
Specific gravity	1.5	g/cc	-
Particle size			
>320	10	%	
>80	100		

Cured properties

Property	Value	Unit	Methods
Impact resistance	>50	cm	ASTM D2794
Water absorption	< 1.5	%	2hr Boil
CTI Tracking	600	-	-
Breakdown Voltage	>35	kV/mm	ASTM D-149
Heat resistance rating	B	Class	
Volume resistivity	>10 ¹³	Ωcm	ASTM D-257
Edge Coverage	>45	%	-
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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