

# LINQSOL MCP-5000



## Motor Coating Powder

- Green Color
- High edge coverage
- Insulation Class B

**LINQSOL MCP-5000** is a green epoxy coating powder with good heat resistance and electrical insulation. MCP-5000 is suitable for motor and rotor coating, also coil end encapsulation. With its low pick-up temperature and quick pick-up rate, MCP-5000 builds up quickly.

**LINQSOL MCP-5000** has high hardness, great edge coverage (55%), a high recovery rate, and is able to produce 15% more units compared to competitive products, with the same amount of powder. It comes into different arrangements with various particle size distributions (PSD) from 150um down to 38um.

### Specifications

Property	Value	Unit
Color	Green	-
Water Absorption (2h boil)	0.6	%
Breakdown Voltage	25000	V
Volume resistivity	$1 \times 10^{16}$	Ohms cm
Dielectric Constant @23°C, 1kHz	4.5	-
Edge Coverage	> 55	%
Gel Time 160°C	120	sec
Glass plate flow @ 150°C, 60°, 2g	12 - 18	mm
Glass Transition temperature	110	°C
CTE alpha 1	50	ppm/°C
CTE alpha 2	-	ppm/°C
Flexural Strength	> 105	N/mm <sup>2</sup>
Flexural Modulus	> 6000	N/mm <sup>2</sup>
Melting temperature	58 - 65	°C

### 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. Shelf life can be extended by using cold storage.

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