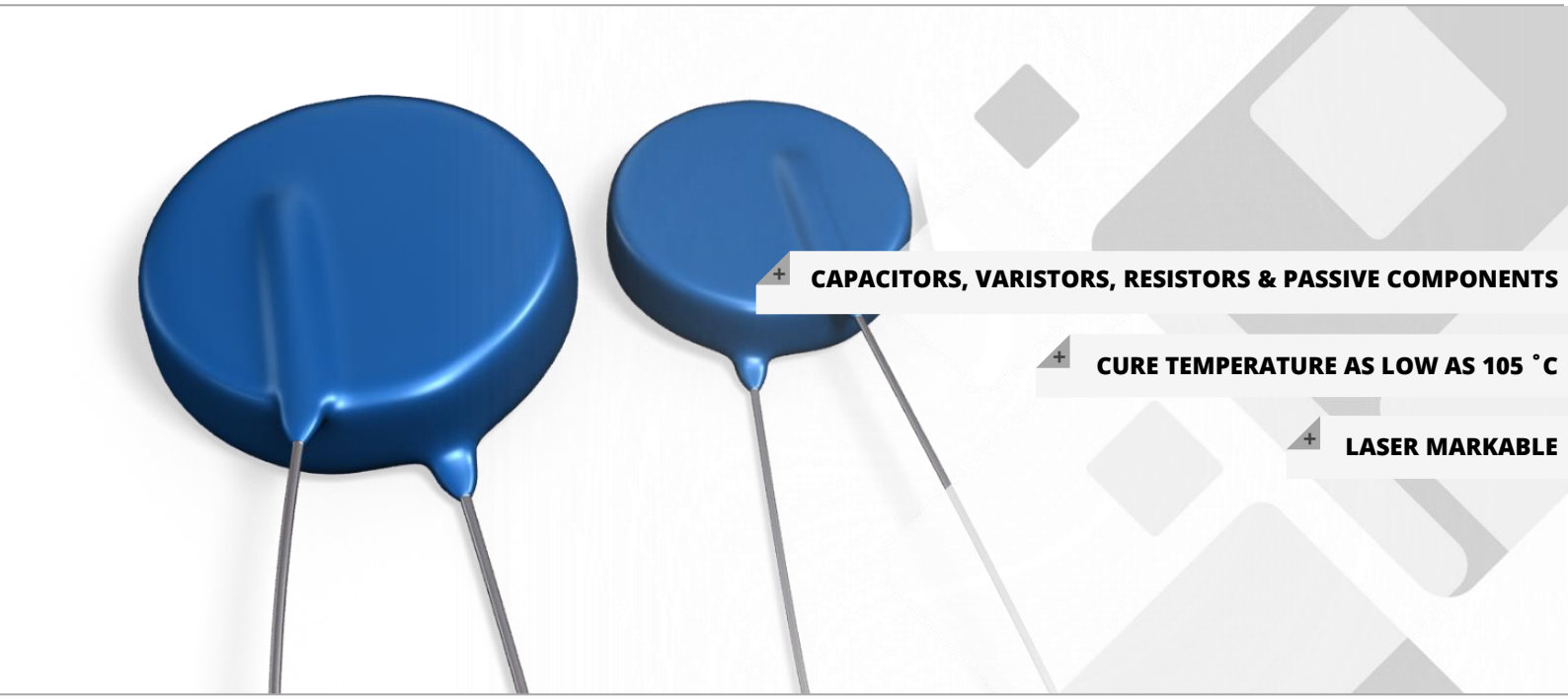
Specialty Chemicals, Plastics & Products

LINQSOL™ GCP1805 Series

Blue Insulating Epoxy Coating Powder for Capacitors, Resistors & Varistors



- CAPACITORS, VARISTORS, RESISTORS & PASSIVE COMPONENTS
- CURE TEMPERATURE AS LOW AS 105 ˚C
- LASER MARKABLE

PRODUCT DESCRIPTION

Blue insulating epoxy coating powder for capacitors, varistors, resistors and other passive components.

PRODUCT APPLICATION

Used for class 2 & 3 ceramic capacitors and varistors. Works great for tantalum capacitors and other temperature sensitive devices.

PRODUCT FEATURES

Epoxy coating powder with great insulating properties. Has excellent pickup and curing temperature as low as 105 ˚C. Available in a range of colors, including blue and gold.

PRODUCT DESCRIPTION

LINQSOL™ GCP1805 Series is an insulating epoxy coating powder for capacitors, varistors and other passive components. LINQSOL GCP18-05-Series epoxy coating powders can be applied through a fluidized bed with temperatures as low as 105˚C.

LINQSOL™ GCP1805 Series can be used for most class 2 & 3 ceramic capacitors and varistors. Its excellent curing conditions make the epoxy coating powder also very suitable for tantalum capacitors and other temperature sensitive devices.

LINQSOL™ GCP1805 Series epoxy coating powders are laser markable and are rated with a UL 94 V-0 flammability and RTI rating of 130˚C.

PRODUCT APPLICATION

► Application Examples

Used for insulation & coating of:

- Class 2 & 3 ceramic capacitors and varistors
- Tantalum capacitors
- Resistors
- Passive components
- Temperature sensitive devices

LINQSOL ™ GCP1805 Series

Blue Insulating Epoxy Coating Powder for Capacitors & Varistors

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PRODUCT FEATURES

TYPICAL PROPERTIES	UNIT	VALUE
GENERAL PROPERTIES		
Color	-	Blue; Other colors available
RECOMMENDED CURING CONDITIONS		
Application Method	-	Fluidized Bed
Curing conditions	-	30 min @ 85-105˚C + 120 min @ 105±5˚C
Melt point	˚C	55-70
UNCURED PROPERTIES		
Bulk Density	g/cm^3	1.4-1.6
Particle Size - **100 mesh/150 micron**	% pass	100%
Halogen Free	-	Yes
Shelf life **- 15 ˚C** **- 25 ˚C**	Months	6 3
CURED PROPERTIES		
Glass Plate Flow @120 ˚C	Mm	25-35
Hot Plate Gel Time @120 ˚C	Sec	80-110
Stick Point	˚C	60
Glass Transition Temperature	˚C	108-112
UL Flammability Rating	-	V-0
UL RTI Rating, UL 746B	˚C	130

► Nomenclature

G: "Green" refers to halogen-free formulation

CP: Epoxy Coating Powder

18: For Passive Components Application

05: Product Version

Blue: Powder Color

Data Ranges

The data contained herein may be reported as a typical value and/or range values based on actual test data and are verified on a periodic basis.

Storage and Handling

LINQSOL™ GCP1805 Series is supplied in sealed plastic bags and should be kept in cold storage (<15°C). Once removed from cold storage it should be allowed to come to room temperature in the sealed container to avoid moisture contamination. Suggested waiting time is 8 hours.

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