

# 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



## PRODUCT FEATURES

TYPICAL PROPERTIES	UNIT	VALUE
<b>GENERAL PROPERTIES</b>		
Color	-	Blue; Other colors available
<b>RECOMMENDED CURING CONDITIONS</b>		
Application Method	-	Fluidized Bed
Curing conditions	-	30 min @ 85-105 °C + 120 min @ 105±5 °C
Melt point	°C	55-70
<b>UNCURED PROPERTIES</b>		
Bulk Density	g/cm <sup>3</sup>	1.4-1.6
Particle Size - 100 mesh/150 micron	% pass	100%
Halogen Free	-	Yes
Shelf life - 15 °C - 25 °C	Months	6 3
<b>CURED PROPERTIES</b>		
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.

The above figures are typical material properties only and are not to be used for product specification purposes. To generate a specification for this product, please contact our Quality Manager and request a copy of the current stock specification. The information and recommendations supplied in this document are believed to be accurate but no guarantee of their accuracy is made; they are for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitations any warranty of merchantability and fitness for use. It is recommended that purchasers before using this product conduct their own tests to determine whether the product is suitable for their particular purposes under their own operating conditions.



#### Europe & Asia

CAPLINQ Europe B.V.  
Industrieweg 15E,  
1566 JN Assendelft  
The Netherlands  
Tel : +31 (20) 893 2224

#### Americas

CAPLINQ Corporation  
957 Snowshoe Crescent  
Orleans, Ontario K1C 2Y3  
Canada  
Tel : +1 (613) 482.2215

#### Worldwide

www.caplinq.com  
Email : info@caplinq.com