



SolEpoxy™ DK8-01 Blue

Epoxy Coating Powder

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PRODUCT DESCRIPTION

SolEpoxy™ DK8-01 Blue is a homogeneous, one-part, fast curing epoxy powder for use as an electrical insulation coating. DK8-01 Blue is especially formulated for applications requiring some degree of flexibility of toughness of coating. This powder can be applied by aerated bed or spray flow coating. Some typical applications for the DK8-01 Blue are bus bars, current coils (watt hour meters), starter and motor coils, and blow out coils.

TYPICAL UNCURED POWDER PROPERTIES

Color	Blue
Gel Time, seconds @ 210 °C	15 - 30
Particle Size, Thru 80 mesh, %	100
Thru 325 mesh %	35 - 50
Edge Coverage, %	30 - 50
Impact, open anvil, in-lbs, minimum	100
Shelf Life @ 25 °C, months from date of manufacture	12

TYPICAL CURED FILM PROPERTIES

Specific Gravity	1.3
Impact, closed anvil, in-lbs	>160
Moisture Absorption, 24 hrs. @ RT, %	0.1

TYPICAL CURED ELECTRICAL PROPERTIES

All measurements are taken at 25 °C (77 °F) unless otherwise noted.

Dielectric Constant,	
100 Hz	5.1
1 kHz	5.0
10 kHz	5.0
Dissipation Factor,	
100 Hz	0.022
1 kHz	0.012
10 kHz	0.013
Volume Resistivity, ohms-cm	3x10 ¹³
Dielectric Strength, volts/mil @ 20 mil thickness	1300

HANDLING

Preheat Temperature, °C	204-273
Typical Cure Time/Temperature, minutes	7

* No post cure is required at preheated temperatures of 204 °C or higher, providing the part has sufficient heat retention to maintain 204 °C for 7 minutes.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

STORAGE

Powder Storage – Powder should be stored at 21 °C or below, in closed containers. Storage areas should be designed to minimize moisture. After removal from cold storage, the material **MUST** be allowed to come to room temperature, in the sealed container, to avoid moisture contamination. The suggested waiting time for a standard 22 Kg pail is 24 hours.

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.

NOTE

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **SolEpoxy, Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of SolEpoxy, Inc.'s products. SolEpoxy, Inc. specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any SolEpoxy, Inc. patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

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