



SolEpoxy™ DK8-01 Blue

Epoxy Coating Powder for current, starter, motor & blow-out coils

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.

UNCURED 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 @ 10 °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	3×10^{13}
Dielectric Strength,	
@ 20 mil thickness, volts/mil	1300

HANDLING

Preheat temperature, °C	205-275
Typical Cure Time, minutes	7
* No post cure is required at preheated temperatures of 205°C or higher, providing the part has sufficient heat retention to maintain 205°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 10°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 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.

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Furthermore, it is user's responsibility to specify their production methods 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 of SolEpoxy products. Production methods mentioned herein are for reference purposes only.

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