



Technical Data Sheet

SolEpoxy™ DK15-02B 60 Mesh

September 2010

PRODUCT DESCRIPTION

SolEpoxy™ DK15-02B 60 Mesh is an epoxy based coating powder developed for the insulation of motor armatures and stators. It offers cut-through temperature resistance with good edge coverage and is UL recognized for 130°C operating temperature. DK15-02B 60 Mesh was designed to be applied via a blow coating process and can be applied via a standard fluid bed process in most applications.

PROPERTIES OF UNCURED MATERIAL

Color	Green
Edge coverage, %	50
Gel Time, seconds @ 160°C	28
@ 210°C	10
Particle Size, Thru 60 mesh, %	100
Thru 325 mesh, %	40
Apparent density, lbs/cu. ft.	51
Shelf Life @ 10°C, months from date of manufacture	9

TYPICAL CURED PROPERTIES

Impact Strength, closed anvil, in/lbs	160
Electrostatic edge coverage, %	68
Moisture absorption, 24 hrs immersion, %	0.20
Specific gravity	1.77
Cut through temperature, °C	325

TYPICAL CURED ELECTRICAL PROPERTIES

Dielectric Constant @ 25°C	
100 Hz	3.5
1 kHz	3.4
10 kHz	3.4
Dielectric Constant @ 150°C	
100 Hz	4.7
1 kHz	4.3
10 kHz	4.0
Dissipation Factor @ 25°C	
100 Hz	0.005
1 kHz	0.005
Dissipation Factor @ 150°C	
100 Hz	0.353
1 kHz	0.353
10 kHz	0.045
Volume Resistivity, ohm-cm x 10 ¹⁶	
@ 25°C	4
@ 150°C	5

HANDLING

Preheat temperature, °C	180-230
Typical Cure Time/Temperature @ 210°C	5

GENERAL INFORMATION

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

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or their strong oxidizing materials.

STORAGE

Powder Storage – Powder or preforms should be stored at 10°C or below, in closed containers. 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

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