Our strength is in our formulations

TECHNICAL BULLETIN: CLS 9608

PRODUCT DESCRIPTION:
A SINGLE COMPONENT, 100% SOLID, LOW VISCOSITY, IMPREGNATING COMPOUND FOR COILS AND TRANSFORMERS.

SALES SPECIFICATIONS: CLS 9608
COLOR
RED
VISCOSITY (NOTE 1, NOTE 4) 8,000 - 15,000 cps
SPECIFIC GRAVITY 1.25 ± 0.03 gm/cm³
SHELF LIFE 3 MONTHS

HANDLING:
MIXED VISCOSITY (NOTE 4) 10,000 cps @ 22 ºC
GEL TIME OF 10 gm. mass (NOTE 4) 25.0 Min. @ 125 ºC

CURE SCHEDULE (NOTE 3):
RECOMMENDED CURE SCHEDULE: 4 Hrs. @ 125 ºC
OPTIONAL POSTCURE 2 Hrs. @ 150 ºC

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)
COLOUR RED
DENSITY (gm/cm³) 1.25
SHORE HARDNESS 82D
GUIDE TO OPERATING TEMPERATURE (°C) (Note 6) 220
LINEAR SHRINKAGE (in/in) (ASTM D 2566) 0.0080
TENSILE STRENGTH (psi) (ASTM D 638) 6,500
TENSILE ELONGATION (%) (ASTM D 638) 7.0
MOISTURE ABSORPTION (%) 0.100
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<table>
<thead>
<tr>
<th>ELECTRICAL PROPERTIES:</th>
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<tbody>
<tr>
<td>DIELECTRIC CONSTANT @1 MHz 3.00</td>
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<tr>
<td>DISSIPATION FACTOR @1 MHz 0.0100</td>
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<tr>
<td>DIELECTRIC STRENGTH 900 Volts/Mil 10 Mil/Section</td>
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<tr>
<td>ARC RESISTANCE 180 Seconds</td>
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NOTES

Note 1 If a filled resin, settling may occur during transportation or storage. Fillers must be remixed before use.

Note 2 Mix ratio must be within ± 2% of the stated amount and thorough mixing is required to avoid degraded final properties.

Note 3 Other cure schedules may give satisfactory results, however, these should be determined by the customer for their given circumstances.

Note 4 All measurements taken at 22°C unless otherwise specified.

Note 5 These products may trigger allergic responses in some individuals. Prevent contact with skin, wash with plenty of soap and water immediately if contact occurs. Do not breathe vapours, provide good ventilation and exercise good housekeeping at work area. Read the Material Safety Data Sheet.

Note 6 The “Guide to Operating Temperature” is based on our experience with materials of similar chemistry and/or thermal index. The ultimate suitability of this product for a given operating temperature is application dependent and may change according to the demands placed upon it in operation.

Note 7 If indicated, the values under “Electrical Characteristics” may be based on supplier data for products with similar compositions. They are provided only as a guide and the recipient must test each material to determine its suitability for the intended application.

IMPORTANT

THE INFORMATION IN THIS BULLETIN IS BASED ON DATA OBTAINED BY OUR OWN RESEARCH AND IS CONSIDERED ACCURATE. ALL INFORMATION SUPPLIED BY CROSSLINK TECHNOLOGY INC., IS FURNISHED UPON THE EXPRESS CONDITION THAT THE PERSON RECEIVING THE PRODUCT SHALL MAKE THEIR OWN ASSESSMENTS TO DETERMINE ITS SUITABILITY FOR THEIR PARTICULAR PURPOSE. NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING SUCH INFORMATION, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF; THAT ANY PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE; OR THAT THE USE OF SUCH OTHER INFORMATION OR PRODUCT WILL NOT INFRINGE ANY PATENT.

Issue NO: 5
June 19, 2014