CROSSLINK TECHNOLOGY INC.

FORMULATED EPOXIES, URETHANES • CUSTOM CAST ELECTRICAL PARTS

ISO 9002 REGISTERED QUALITY SYSTEM
CROSSLINK TECHNOLOGY INC. SINCE 1981

"Our strength is in our formulations"

TECHNICAL BULLETIN: **CLS 9611**

PRODUCT DESCRIPTION: A LOW VISCOSITY, SINGLE COMPONENT, EPOXY POTTING AND ENCAPSULATING COMPOUND. THE PRODUCT HAS EXCELLENT STABILITY AND GOOD ADHESION TO A WIDE RANGE OF SUBSTRATES

SALES SPECIFICATION: **CLS 9611**

COLOUR	GREY
VISCOSITY (NOTE 1)	12,000 - 20,000cps
SPECIFIC GRAVITY	1.62 gm/cm^3
SHELF LIFE	3 Months

HANDLING: (NOTES 1,2 & 5)

GEL TIME (NOTE 4)	40 – 60 Minutes @ 125 ^{0}C

CURE SCHEDULE: (NOTE 3)

RECOMMENDED CURE SCHEDULE	4 Hours @ 125^{0}C + Optional 2 Hrs. @ 150ºC

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR	GREY
DENSITY	1.62 gm/cm^3
SHORE HARDNESS	75/65D
LINEAR SHRINKAGE (ASTM D 2566)	0.007 in/in
TENSILE STRENGTH (ASTM D 638)	1,500 psi
ELONGATION (ASTM D 638)	25 %
GUIDE TO OPERATING TEMPERATURE (Note 7)	155 ^{0}C
THERMAL EXPANSION COEFFICIENT (in/in/^{0}CX10^{-6})	125 ^{0}C

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ELECTRICAL CHARACTERISTICS (NOTE 6):

DIELECTRIC STRENGTH @ 125 mils	450 v/mil
DIELECTRIC CONSTANT	4.4 @1KHz
DISSIPATION FACTOR	0.004 @ 1KHz
VOLUME RESISTIVITY 30^0C	5 x 10^{15} Ohm-Cm

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 $\pm$ 2% of the stated amount and thorough mixing is required to avoid degraded final properties. (A = CLR Component & B = CLH Component).

NOTE 3: Other cure schedules may give satisfactory results, however, these should be determined by the customer for his 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** and observe the recommended precautions prior to handling any product.

NOTE 6: The values shown under **"Electrical Characteristics"** are based on typical data for products with similar compositions and are for reference only. These values may not be exact and the product must be tested by the customer to determine suitability for the intended application.

NOTE 7: 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.

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 HIS OWN ASSESSMENTS TO DETERMINE IT'S SUITABILITY FOR HIS 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.

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