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: **CLR 1066 / CLH 6710**

PRODUCT DESCRIPTION: A TWO COMPONENT, FLEXIBLE, LOW EXOTHERM CASTING SYSTEM. THE LONG POT LIFE AND THE LOW HEAT GENERATED DURING CURE MAKES THIS PRODUCT IDEAL FOR CASTING LARGE MASSES.

SALES SPECIFICATION:	**CLR 1066**	**CLH 6710**
COLOUR:	BLACK	TAN
VISCOSITY (NOTE 1):	12,000-20,000 cps	15,000-26,000 cps
SPECIFIC GRAVITY:	1.65-1.75 gm/cm^3	1.35-1.45 gm/cm^3
SHELF LIFE:	6 MONTHS	6 MONTHS

HANDLING: (NOTES 1, 2 & 5)

1. MIX RATIO BY WEIGHT (A:B)(NOTE 2):	100:100
2. VISCOSITY (NOTE 4):	20,000 cps
3. POT LIFE OF 2OOgm MASS (NOTE 4):	3 HRS
4. GEL TIME (NOTE 4):	5 HRS
5. PEAK EXOTHERM OF 200GM MASS:	40^{0}C

CURE SCHEDULE: (NOTE 3)

48 HRS @ 25^{0}C OR 6 HRS @ 60^{0}C

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR:	BLACK
DENSITY:	1.55 gm/cm^3
SHORE HARDNESS:	65/55D
LINEAR SHRINKAGE:	0.63 in/in
TENSILE STRENGTH:	750 psi
ELONGATION:	0%
GUIDE TO OPERATING TEMP.:	105^{0}C
THERMAL EXPANSION COEFFICIENT (in/in(^{0}C x 1O^6):	N/A
THERMAL CONDUCTIVITY (CAL/SEC)(SQ CM)(^{0}C)(CM):	N/A
MOISTURE ABSORPTION (24 HR IMMERSION):	N/A

ELECTRICAL CHARACTERISTICS: (NOTE 6)

DIELECTRIC STRENGTH:	@ 25^{0}C	0.010"	1500 V/MIL
ARC RESISTANCE:			N/A
DIELECTRIC CONSTANT:	@ 25^{0}C	1 KHz	4.0
DISSIPATION FACTOR:	@25^{0}C	1KHz	0.050
VOLUME RESISTIVITY:	@ 25^{0}C	OHM-CM	2 x 10^{12}

NOTES:

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

2) The mix ratio must be within ± 2% of the stated value and thorough mixing is required to avoid degraded properties.

3) Other cure schedules may yield satisfactory results however; these should be determined by the customer for his given application.

4) Unless otherwise specified, all measurements are taken at 22^{0}C.

5) These products may trigger allergic reactions in some individuals. Prevent contact with skin; wash with plenty of soap and water if contact occurs and **Read the Material Safety Data Sheet** before using the materials. **Do Not Breathe Vapours** provide good ventilation and exercise good housekeeping at the work area.

6) 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.

7) If stated, the **"Guide to Operating Temperature"** is based on our experience with materials of similar chemistry and/or thermal index. The ultimate suitability of a product for a particular operating temperature is application dependent and **may change according to the demands placed upon it in service.**

IMPORTANT

THE INFORMATION IN THIS BULLETIN IS BASED ON DATA OBTAINED BY OUR OWN RESEARCH AND IS CONSIDERED ACCURATE. ALL INFORMATION SUPPLIED BY CROSSLINK IS FURNISHED UPON THE EXPRESS CONDITION THAT THE PERSON RECEIVING THE PRODUCT SHALL MAKE HIS OWN ASSESSMENTS TO DETERMINE ITS 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 MERCHANTIBLE 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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