



“Our strength is in our formulations”

EPOXY CASTING/POTTING COMPOUND

TECHNICAL BULLETIN:

CLR 1066 / CLH 6590

PRODUCT DESCRIPTION: A TWO COMPONENT, LOW VISCOSITY POTTING AND ENCAPSULATING MATERIAL SUITABLE FOR MACHINE DISPENSE. THE CURED PRODUCT IS MACHINABLE.

SALES SPECIFICATION:

CLR 1066

CLH 6590

COLOUR:.....	BLACK	AMBER
VISCOSITY (NOTE 1):	12,000-20,000 cps	200-500 cps
SPECIFIC GRAVITY:.....	1.65-1.75 gm/cm ³	1.0 gm/cm ³
SHELF LIFE:.....	6 MONTHS	6 MONTHS

HANDLING:

1. MIX RATIO BY WEIGHT (A:B)(NOTE 2):.....	100:20
2. VISCOSITY (NOTE 4):	4,000 cps
3. POT LIFE OF 200gm MASS (NOTE 4):.....	60 MINS
4. GEL TIME (NOTE 4):.....	80 MINS

CURE SCHEDULE (NOTE 3):

48 HRS @ R.T. OR 6 HRS @ 60°C

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR:.....	BLACK
DENSITY:	1.5 gm/cm ³
SHORE HARDNESS:	80D
LINEAR SHRINKAGE:.....	0.003 in/in
TENSILE STRENGTH:	6000 psi
ELONGATION:	5%
GUIDE TO OPERATING TEMP.:	125°C
THERMAL EXPANSION COEFFICIENT (in/in(°C x 10 ⁶):	N/A
THERMAL CONDUCTIVITY (CAL/SEC)(SQ CM)(°C)(CM):.....	N/A
MOISTURE ABSORPTION (24 HR IMMERSION):	N/A

Continued...

TYPICAL ELECTRICAL CHARACTERISTICS (NOTE 6):

DIELECTRIC STRENGTH:	@ 25 ^o C	0.010"	1500 V/MIL
ARC RESISTANCE:		N/A
DIELECTRIC CONSTANT:	@ 25 ^o C	1 KHz	4.0
DISSIPATION FACTOR:	@ 25 ^o C	1 KHz	0.050
VOLUME RESISTIVITY:	@ 25 ^o 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^oC.
- 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 TECHNOLOGY INC., IS FURNISHED UPON THE EXPRESS CONDITION THAT THE PERSON RECEIVING THE PRODUCT SHALL MAKE THEIR OWN ASSESSMENT 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 MERCANTABLE OR FIT FOR ANY PARTICULAR PURPOSE; OR THAT THE USE OF SUCH OTHER INFORMATION OR PRODUCT WILL NOT INFRINGE ANY PATENT.

ISSUE DATE: January, 1988
ISSUE NO.: 1