



# CROSSLINK TECHNOLOGY INC.

FORMULATED EPOXIES, URETHANES - CUSTOM CAST PARTS



Our strength is in our formulations

## TECHNICAL BULLETIN:

**XP9 1548 / CLI 4182**

### PRODUCT DESCRIPTION:

A TWO COMPONENT, ROOM TEMPERATURE CURE, FAST SETTING POLYURETHANE SYSTEM. THIS LOW DUROMETER PRODUCT MAY BE USED FOR A VARIETY OF BONDING AND SEALING APPLICATIONS. THIS PRODUCT HAS A CONVENIENT MIX RATIO SUITABLE FOR DISPENSE PACKAGING. PRODUCT CURES TO A SHORE HARDNESS OF 55A.

### SALES SPECIFICATIONS:

	<u>XP9 1548</u>	<u>CLI 4182</u>
COLOR	BLACK	AMBER
VISCOSITY (NOTE 1, NOTE 4)	700 - 1000 cps @ 25 °C	2500 - 4000 cps
SPECIFIC GRAVITY	1.08 ± 0.03 gm/cm <sup>3</sup>	1.16 ± 0.03 gm/cm <sup>3</sup>
SHELF LIFE	12 MONTHS	12 MONTHS

### HANDLING

MIX RATIO BY WEIGHT (A:B) (NOTE 2)	100:56 (by vol. 100:50)
MIXED VISCOSITY (NOTE 4)	2000 cps @ 22 °C
POT LIFE OF 150 gm. mass (NOTE 4)	1.5 Min. @ 22 °C
GEL TIME OF 150 gm. mass (NOTE 4)	3 Min. @ 22 °C

### CURE SCHEDULE (NOTE 3)

RECOMMENDED CURE SCHEDULE:	48 Hrs. @ 22 °C
ALTERNATE CURE SCHEDULE:	4 Hrs. @ 60 °C

### CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR	BLACK
DENSITY (gm/cm <sup>3</sup> )	1.1
SHORE HARDNESS	55 A

**ADDITIONAL INFORMATION**

MIXING AT ROOM TEMPERATURE IS RECOMMENDED TO MAXIMIZE POT LIFE. HOT MOULDS (UP TO 100 C. ) WILL FACILITATE FASTER DE-MOULDING. POLYURETHANES ARE MOISTURE SENSITIVE. PURGE CONTAINERS WITH NITROGEN TO AVOID MOISTURE CONTAMINATION DURING STORAGE.

**NOTES**

- Note 1 If a filled resin, setting 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.
- 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 and observe the recommended precautions prior to handling any product.
- 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 ASSESMENTS TO DETERMINE IT'S 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.**

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