



# CROSSLINK TECHNOLOGY INC.

FORMULATED EPOXIES, URETHANES - CUSTOM CAST PARTS



**TECHNICAL BULLETIN:** XR5 1445 / CLH 6372

## **PRODUCT DESCRIPTION:**

A LOW VISCOSITY, LOW TEMPERATURE CURING, EPOXY ADHESIVE SYSTEM. THIS PRODUCT HAS EXCELLENT THERMAL AND MECHANICAL SHOCK RESISTANCE.

SALES SPECIFICATION	XR5 1445	CLH 6372
COLOUR	WHITE	AMBER
VISCOSITY (NOTE 1, NOTE 4)	5000 - 7000 CPS	100 - 300 CPS
SPECIFIC GRAVITY	1.10 ± 0.03 gm/cm <sup>3</sup>	0.95 ± 0.02 gm/cm <sup>3</sup>
SHELF LIFE	12 MONTHS	12 MONTHS

## **HANDLING:**

MIX RATIO BY WEIGHT (A:B) (NOTE 2)	100:23
MIXED VISCOSITY (NOTE 4)	1500 cps @ 22 °C
POT LIFE OF 150 gm. mass (NOTE 4)	13.00 Min. @ 22 °C
GEL TIME OF 150 gm. mass (NOTE 4)	16.00 Min. @ 22 °C

## **CURE SCHEDULE (NOTE 3):**

RECOMMENDED CURE SCHEDULE	24 Hrs. @ 22 °C
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## **CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)**

COLOUR	WHITE
DENSITY (gm/cm <sup>3</sup> )	1.05
SHORE HARDNESS	83D
FLEXURAL STRENGTH (psi)	17250
FLEXURAL MODULUS (psi)	16000

## **ELECTRICAL PROPERTIES:**

### **NOTES**

Note1 If a filled resin, settling may occur during transportation or storage. Fillers must be remixed before use.

Note2 Mix ratio must be within  $\pm 2\%$  of the stated amount and thorough mixing is required to avoid degraded final properties.

Note3 Other cure schedules may give satisfactory results, however, these should be determined by the customer for their given circumstances.

Note4 All measurements taken at 22°C unless otherwise specified.

Note5 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.

Note6 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.

Note7 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**

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