



# CROSSLINK TECHNOLOGY INC.

FORMULATED EPOXIES, URETHANES - CUSTOM CAST PARTS



**TECHNICAL BULLETIN: XRD 1575 / XH6 1418**

## PRODUCT DESCRIPTION:

A TWO COMPONENT EPOXY SYSTEM SUITABLE FOR POTTING, CASTING AND ADHESIVE APPLICATIONS. PRODUCT GELS QUICKLY AND HAS GOOD THERMAL CYCLING ENDURANCE. MATERIAL IS FILLED WITH NON-ABRASIVE FILLERS MAKING IT SUITABLE FOR MACHINE DISPENSING.

SALES SPECIFICATION	XRD 1575	XH6 1418
COLOUR	TAN	BLACK
VISCOSITY (NOTE 1, NOTE 4)	15000 - 25000 CPS @ 22 °C	40000 - 60000 CPS @ 22 °C
SPECIFIC GRAVITY	1.38 ± 0.03 gm/cm <sup>3</sup>	1.38 ± 0.02 gm/cm <sup>3</sup>
SHELF LIFE	12 MONTHS	12 MONTHS

## HANDLING:

MIX RATIO BY WEIGHT (A:B) (NOTE 2)	100:50 (by vol. 100:50.0)
MIXED VISCOSITY (NOTE 4)	20000 cps @ 22 °C
POT LIFE OF 100 gm. mass (NOTE 4)	8.00 Min. @ 22 °C
GEL TIME OF 100 gm. mass (NOTE 4)	12.00 Min. @ 22 °C

## CURE SCHEDULE (NOTE 3):

RECOMMENDED CURE SCHEDULE	24 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> )	1.38
SHORE HARDNESS	87D

## **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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