CROSSLINK TECHNOLOGY INC.

FORMULATED EPOXIES, URETHANES - CUSTOM CAST PARTS

ISO 9001 REGISTERED QUALITY SYSTEM SINCE 1981

TECHNICAL BULLETIN: **CLR 1583 / CLH 6229**

PRODUCT DESCRIPTION:

A TWO COMPONENT, ROOM TEMPERATURE CURE, POTTING AND ENCAPSULATING EPOXY SYSTEM. MATERIAL CONTAINS NON-ABRASIVE FILLERS SUITABLE FOR MACHINE DISPENSE.

SALES SPECIFICATION	CLR 1583	CLH 6229
COLOUR	GREEN	AMBER
VISCOSITY (NOTE 1, NOTE 4)	8000 - 15000 CPS @ 22 °C	4000 - 5000 CPS @ 22 °C
SPECIFIC GRAVITY	1.70 ± 0.03 gm/cm³	1.00 ± 0.02 gm/cm³
SHELF LIFE	12 MONTHS	12 MONTHS

HANDLING:

MIX RATIO BY WEIGHT (A:B) (NOTE 2)	100:30 (by vol. 100:50.0)
MIXED VISCOSITY (NOTE 4)	7500 cps @ 22 ºC
POT LIFE OF 150 gm. mass (NOTE 4)	15.00 Min. @ 22 ºC
GEL TIME OF 150 gm. mass (NOTE 4)	30.00 Min. @ 22 ºC

CURE SCHEDULE (NOTE 3):

RECOMMENDED CURE SCHEDULE	48 Hrs. @ 22 ºC
ALTERNATE CURE SCHEDULE	6 Hrs. @ 60 ºC

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR	GREEN
DENSITY (gm/cm³)	1.46
SHORE HARDNESS	85D
TENSILE STRENGTH (psi) (ASTM D 638)	4000
TENSILE ELONGATION (%) (ASTM D 638)	2.0
FLEXURAL STRENGTH (psi)	7000
GUIDE TO OPERATING TEMPERATURE(°C)(NOTE 6)	130

ELECTRICAL PROPERTIES		
DISSIPATION FACTOR A	@1	0.0200
DIELECTRIC STRENGTH	425 Volts/Mil	62.5 Mil/Section
ARC RESISTANCE		150 Seconds
VOLUME RESISTIVITY		40 x10^14 ohm•cm

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 ± 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 22ºC 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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