



## 20-3238 WATER CLEAR OPTICAL GRADE EPOXY

### DESCRIPTION:

20-3238 is a two component high purity grade polymer epoxy system. This is a low viscosity formulation designed for L.E.D. encapsulating, fiber optic applications and any potting application requiring the optimum clarity for inspection.

20-3238 has excellent adhesion to metals, plastics, ceramics, glass, copper, and aluminum.

### FEATURES:

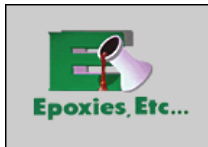
Low viscosity	Water clear
Bubble free castings	Outstanding electrical properties

### TYPICAL SPECIFICATIONS:

Mixed viscosity @ 25°C, cps	500
Color	Water clear
Pot life with Catalyst 140	45 Minutes
Specific gravity, 25°C	
Resin	1.13
Catalyst	.964
Index of refraction	1.5403
Hardness, shore D	78
Shrinkage linear in/in	.006
Tensile strength, psi	9,400
Compressive strength, psi	14,000
Operating temperature range, °C	-50 to +150
Thermal conductivity, btu in/ft <sup>2</sup> hr °F	2.9
Thermal expansion coefficient per °C	50 x 10 <sup>-6</sup>
Dielectric strength volts/Mil	560
Dielectric constant at 60 Hz	4.7
Dissipation factor at 60 Hz	.034
Volume resistivity, ohm-cm	5.0 x 10 <sup>15</sup>

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## Epoxy, Urethane & Silicone Formulations

### INSTRUCTIONS FOR USE:

#### A. ROOM TEMPERATURE CURING CATALYST 140

1. By weight thoroughly mix 30 parts Catalyst 140 to 100 parts 20-3238 Resin.
2. By volume thoroughly mix 35 parts Catalyst 140 to 100 parts 20-3238 Resin
3. Pour and follow one of the following cure schedules:
  - a) 25°C      18-24 Hours
  - b) 60°C      1-2 Hours

### IMPORTANT:

The information in this brochure is based on data obtained by our research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

06/03

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