

# 20-2355

## POLYURETHANE POTTING & ENCAPSULATING SYSTEM

### DESCRIPTION:

20-2355 is an elastomeric polyurethane potting and encapsulating system. This unique formulation is unfilled and repairable. Its low viscosity, low durometer, and room temperature cure make it an ideal candidate for the potting of sensitive and delicate electronic components. 20-2355 has a convenient mix ratio and excellent dielectric properties.

### FEATURES

- \* Low shrinkage
- \* Repairable
- \* Excellent electrical insulation
- \* Room or elevated cure
- \* Flexible
- \* Low stress buildup

### TYPICAL SPECIFICATIONS:

Standard color	Black
Specific gravity, 25°C	
Resin	.91
Curing agent	1.08
Viscosity, 25°C, cps	
Resin	2,600
Curing agent	600
Mix Ratio, by weight (R:C)	100:30
Mix Ratio, by volume (R:C)	100:25
Hardness, Shore A	25
Coefficient of thermal expansion, per °C	$2.28 \times 10^{-4}$
Tensile strength, PSI	150
Elongation, %	75
Dielectric constant, 25°C, 1KHz	4.5
Surface resistivity, 25°C, ohm	$1 \times 10^{16}$
Volume resistivity, ohm-cm	$6 \times 10^{16}$
Operating temperature range, °C	-40 to +130



### INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix 30 parts 20-2355C to 100 parts 20-2355R. By volume, mix 25 parts 20-2355C to 100 parts 20-2355R. Two components should be carefully weighed in metal, plastic, or glass containers. Avoid using paper cups and wooden stirrers.
2. Mixed material can be degassed at 1 to 5 mm Hg to ensure bubble free castings. Containers should be large enough to allow frothing.
3. Cure according to one of the following cure schedules:

25°C	24 Hours
45°C	2.5 Hours
65°C	1.5 Hours
85°C	40 Minutes

The 20-2355R/C system is also available in the convenient TriggerBond dual barrel cartridge system. It may be ordered in the 50 ml or 200 ml 4:1 cartridges.

### STORAGE & HANDLING & SAFETY:

Store both components at 75-85°F in original containers. If the containers are opened and the contents partially used, the material left in the container should be blanketed with dry nitrogen before sealing. Carefully read Material Safety Data Sheets before using.

### IMPORTANT:

The information in this brochure is based on data obtained by our own 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.

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