

# 20-2305

## POLYURETHANE ELASTOMER POTTING & ENCAPSULATING SYSTEM

### DESCRIPTION:

20-2305 is an unfilled, low durometer urethane elastomer system. 20-2305 is room temperature curing and is low in viscosity. 20-2305 is ideal for potting and encapsulating applications that require very low shrinkage and low stress on delicate components.

### FEATURES:

- Low Shrinkage
- Excellent Impact Resistance
- Flexible at Low Temperatures
- Low Stress on Delicate Components
- Hydrolytic Stability
- Excellent Dielectric Properties

### TYPICAL SPECIFICATIONS:

Viscosity, 25°C, Cps	
Mixed	4,200
Mix Ratio	
by Weight, (A:B)	100:10
Color	Black
Hardness, Shore A	25-30
Operating Temperature Range, °C	-40 to +125
Glass Transition Temperature, Tg, °C	-70
Gel time, 100 grams, 25°C	1 Hour
Specific Gravity, 25°C	
Mixed	0.91
Tensile Strength, PSI	150
Dielectric Constant, 25°C, 1kHz	4.5
Surface Resistivity, 25°C, ohm	1x10 <sup>16</sup>
Volume Resistivity, 25°C, ohm-cm	6x10 <sup>16</sup>

### INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix 10 parts 20-2305 to 100 parts 20-2305A. 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 3 mm Hg to ensure bubble free castings. Containers should be large enough to allow for frothing during degassing.
3. Cure for 24 hours at room temperature or accelerate with heat.

**STORAGE, HANDLING & SAFETY:**

Store both components at 25 °C in original containers. Store away from excessive heat and humidity. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

**PACKAGING:**

20-2305 is available in 2oz, 4oz, pint, 16oz, quarts, gallon and 5-gallon containers.

**IMPORTANT:**

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