

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:

Standard Color	Black
Mixed Viscosity, 25°C, Cps	3,000
Specific Gravity, 25°C	.91
Mix Ratio by Weight, (A:B)	100:10
Gel time, 100 gram mass, 25°C	1 Hour
Glass Transition Temperature, Tg, °C	-70°C
Hardness Shore A	30-35
Tensile Strength, PSI	110
Dielectric Constant, 25°C, 1KHZ	4.49
Surface Resistivity, 25°C, ohm	1x10 ¹⁶
Volume Resistivity, 25°C, ohm-cm	6x10 ¹⁶
Operating Temperature Range, °C	-40°C to +125°C

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.

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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