

20-2350 35% FILLED POLYURETHANE ELASTOMER

DESCRIPTION:

20-2350 A 35% is a two component, polyurethane system. This is a filled polyurethane designed for hydrolytic stability and low moisture permeability. 20-2350A 35% has outstanding thermal cycling properties, low glass transition temperature and low embedment stress to sensitive components.

The 20-2350A 35% maintains its integrity over a wide operating temperature range, -40°C to 125°C. The low glass transition temperature of -72°C makes this urethane ideal for low temperature potting applications.

TYPICAL SPECIFICATIONS:

Standard color	Black
Specific gravity, 25°C	1.15
Viscosity, Resin, 25°C, cps	7,500
Hardness, Shore A	50
Coefficient of thermal expansion, per °C	2.28x10 ⁻⁴
Tensile strength, PSI	150
Elongation, %	45
Glass transition temperature, °C	-72
Pot life, 100 gram mass, 25°C	1 Hour
Dielectric constant, 25°C, 1khz	4.5
Surface resistivity, 25°C, ohm	1x10 ¹⁶
Volume resistivity, ohm-cm	6x10 ¹⁶
Operating temperature range, °C	-40 to 125

INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix 6.5 parts Part B to 100 parts Part A. 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



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.

02/06