EPOXIES
INNOVATIVE BONDING SOLUTIONS ETC.

TECHNICAL BULLETIN

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:

Viscosity, 25°C, cps	
Resin	7,500
Catalyst	
Mixed	
Mix Ratio (A:B)	
By weight	100:6.5
Color	Black
Hardness, Shore A	50
Operating Temperature Range, °C	-40 to +125
Glass Transition Temperature, °C	-72
Pot Life, 100 grams, 25°C	1 hour
Specific gravity, 25°C	1.15
Coefficient of Thermal Expansion, 1/°C	2.28×10^{-4}
Tensile strength, PSI	150
Elongation, %	45
Dielectric constant, 25°C, 1khz	4.5
Surface resistivity, 25°C, ohm	1×10^{16}
Volume resistivity, ohm-cm	6×10^{16}

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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:

a)	25°C	24 Hours
b)	45°C	2.5 Hours
c)	65°C	1.5 Hours
d)	85°C	40 Minutes

STORAGE & HANDLING & SAFETY:

Store both components at 25°C 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. The expected shelf life is 12 months in the original containers.

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

AVAILABILITY:

20-2350-35 is available in quart and gallon containers.

IMPORTANT:

09/2025

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