

UNFILLED LOW DUROMETER CLEAR URETHANE ELASTOMERS

20-2310 Shore A 30 20-2350 Shore A 35 20-2360 Shore A 90

DESCRIPTION:

This two component urethane series are low durometer (30-90 Shore A), potting, casting, and encapsulating compounds. They are unfilled materials engineered to provide excellent hydrolytic stability and low moisture permeability. They have outstanding thermal cycling properties, low glass transition temperatures and low embedment stress to sensitive electronic components.

These unique urethane formulations maintain their integrity over a wide operating temperature range, -40°C to 125°C. The low glass transition temperature of -72°C makes these urethanes ideal for low temperature potting applications.

FEATURES

- Maintains flexibility at low temperatures
- Thermal cycling stability
- Excellent electrical insulation
- Chemical resistance
- Low stress on sensitive components
- Hydrolytic stability
- Unaffected by moisture at high temperatures
- No shrinkage

TYPICAL SPECIFICATIONS:

Black	Black	Black
.91	.90	.90
1.2	1.2	1.2
100:10	100:10	100:40
100:7.5	100:7.5	100:31
30	35	90
3,000	1,600	1,600
2.28x10 ⁻⁴	2.28x10 ⁻⁴	2.28x10 ⁻⁴
110	150	400
60	50	40
-72	-72	-72
1.5 hours	1 hour	40 minutes
4.5	4.5	4.5
1x10 ¹⁶	1x10 ¹⁶	1x10 ¹⁶
6x10 ¹⁶	6x10 ¹⁶	6x10 ¹⁶
-40 to 125	-40 to 125	-40 to 125
	1.2 100:10 100:7.5 30 3,000 2.28x10 ⁻⁴ 110 60 -72 1.5 hours 4.5 1x10 ¹⁶ 6x10 ¹⁶	.91



INSTRUCTIONS FOR USE:

By weight, thoroughly mix according to mix ratio provided in above specifications. Two components should be carefully weighed in metal, plastic or glass containers. Avoid using paper cups and wooden stirrers.

Mixed material can be degassed at 1 to 5 mm Hg to ensure bubble free castings. Containers should be large enough to allow frothing.

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:

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