

20-2140FC

FAST CURE POLYURETHANE POTTING & ENCAPSULATING RESIN

DESCRIPTION:

20-2140FC is a 2-component, fast curing polyurethane engineered for electronic potting, encapsulating, and casting applications. This low viscosity, low toxicity, and soft polyurethane is suitable for a variety of electronic insulating applications.

RELATED PRODUCTS: 20-2101 (enterable gel), 20-2160 (60 Shore A), 20-2180 (80 Shore A), 20-2183 (80 Shore A and quick gel time).

GREEN:

The base Natural Oil Polyol (NOP) used in these systems is obtained directly from a plant source without chemical modifications. Renewable resources, like NOP's, reduce the demand on non-renewable fossil fuels and the overall production of carbon dioxide.

FEATURES:

- Green
- Low Viscosity
- Low Durometer
- Moisture Resistant
- Convenient Mix Ratios
- Low Shrinkage & Exotherm
- Fast Curing

BENEFITS:

Reduce demand on non-renewable fossil fuels
Quick self leveling around components
Low stress on components & vibration resistant
Can be used in wet environments
Easy to process by hand or with meter mix
Less stress to components during cure
Cures quickly for improved manufacturing time

TYPICAL PROPERTIES:

Viscosity, cps, 25°C	
20-2140PBK Polyol Resin	1,500
20-2140ITY Isocyanate	3,000
20-2140 Mixed	1,600
Color	Clear
Hardness, Shore A	40
Mix Ratio (Polyol:Iso), by Weight	100:46
Operating Temp. Range, °C	-55 to +125
Gel Time, 25°C,	8 minutes
Specific Gravity, 25° C	
20-2140PBK Polyol Resin	0.97
20-2140ITY Isocyanate	1.14



Note: When cured at room temperature final properties are achieved in 7-10 days.

INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix according to mix ratio provided in the above table. 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 at 25°C for 20 minutes.

STORAGE, HANDLING, & SAFETY:

Store both components at 25 °C. 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 original unopened containers.

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

AVAILABILITY:

This product is available in quarts, gallons, five-gallon, and 55-gallon containers.

IMPORTANT:

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