

20-3241

FLEXIBLE EPOXY RESIN POTTING AND ENCAPSULATING COMPOUND

DESCRIPTION:

20-3241 is a two-component high purity grade polymer epoxy system. This is a low viscosity formulation designed for encapsulation where a low embedment stress to sensitive electronic components is required.

20-3241 has excellent adhesion to metals, plastics, ceramics, glass, copper, and aluminum.

FEATURES:

- Low viscosity
- Bubble free castings
- Excellent vibration resistance
- Outstanding electrical properties

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	
Mixed	1,000
Mix ratio, (Resin:Catalyst)	
By Weight	100:50
By Volume	100:60
Color	Black (Clear version available)
Hardness, Shore A	75
Operating Temperature Range, °C	-50 to +100
Pot Life, 20-3241C Hardener	30 - 45 Minutes
Specific gravity, 25°C	
Resin	1.15
Catalyst	0.95
Linear shrinkage, in/in	0.006
Thermal conductivity, W/m-K	0.42
Coefficient of Thermal Expansion, 1/°C	50 x 10 ⁻⁶
Dielectric strength V/mil	560
Dielectric Constant, 60 Hz	4.7
Dissipation Factor, 60 Hz	0.034
Volume Resistivity, ohm-cm	5.0 x 10 ¹⁵

INSTRUCTIONS FOR USE:

ROOM TEMPERATURE CURING 20-3241C HARDENER

1. By weight thoroughly mix 50 parts 20-3241C Hardener to 100 parts 20-3241R Resin.
2. By volume thoroughly mix 60 parts 20-3241C Hardener to 100 parts 20-3241R Resin
3. Pour and follow one of the following cure schedules:
 - a) 25°C 18-24 Hours
 - b) 60°C 1-2 Hours

STORAGE, HANDLING & SAFETY:

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

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

AVAILABILITY:

20-3241 is available in gallon and 5-gallon containers.

IMPORTANT:

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