

# 20-3030

## EPOXY POTTING AND CASTING RESIN

### DESCRIPTION:

20-3030 is an unfilled, low viscosity epoxy system. This system was designed for fast, self leveling and ease of use. 20-3030 has a convenient 2:1 mix ratio and will cure at room temperature. It is a good choice for chemical, water and corrosion resistance 20-3030 also exhibits excellent adhesion to metals, plastic, and coated lead wires.

A lower viscosity version is available for better flow characteristics; 20-3030LV.

### TYPICAL PROPERTIES:

	<u>20-3030</u>	<u>20-3030LV</u>
Viscosity, 25°C, CPS		
Resin	8,000	5,500
Hardener	14,560	400
Mixed	10,000	2,000
Color	Black	Black
Hardness, Shore D	85	85
Operating Temperature Range, °C	-40 to +135	-40 to +135
Pot Life, 100 grams, 25°C, hrs.	2	2
Specific Gravity, 25°C		
Resin	1.15	1.15
Hardener	0.98	0.98
Peak Exotherm, 100 gram mass	90°F	90°F
Compressive Strength, psi	34,000	34,000
Flexural Strength, psi	14,000	14,000
Tensile Strength, psi	8,500	8,500
Tensile Elongation, %	4.5	4.5
Dielectric Constant @ 60 Hz	3.6	3.6
Dielectric Strength, Volts/Mil	550	550
Dissipation Factor @ 60 Hz	0.011	0.011
Volume Resistivity, ohm-cm	1.1 x 10 <sup>15</sup>	1.1 x 10 <sup>15</sup>
Thermal Conductivity, W/m·°K	0.43	0.43
Water Absorption, 24 hrs., % gain	0.18	0.18



**INSTRUCTIONS FOR USE:**

1. By weight, thoroughly mix 2 parts 20-3030 epoxy resin to 1 part 20-3030 hardener.
2. Degas, pour, and cure according to one of the following recommended cure schedules:

a) 25°C	24 hours
b) 60°C	2 hours
c) 100°C	15 minutes

**STORAGE, HANDLING, & SAFETY:**

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

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

**AVAILABILITY:**

Available in the Trigger Bond 50 ml, 200 ml, and 400 ml dual barrel cartridges.

Also available in quarts, gallons and 5-gallon pails.

**IMPORTANT:**

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06/24