

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 SPECIFICATIONS:

| | 20-3030 | 20-3030LV |
|---|------------------------|------------------------|
| Color | | |
| Resin | Black | Black |
| Hardener | Amber | Amber |
| Viscosity, 25°C, CPS | | |
| Resin | 8,000 | 5,500 |
| Hardener | 14,560 | 400 |
| Mixed | 10,000 | 2,000 |
| Specific Gravity, 25°C | | |
| Resin | 1.15 | 1.15 |
| Hardener | 0.98 | 0.98 |
| Gel Time, 100 grams, 25°C, Hrs. | 2.5 | 2.5 |
| Peak Exotherm, 100 gram mass | 90°F | 90°F |
| Tensile Strength, psi | 8,500 | 8,500 |
| Tensile Elongation, % | 4.5 | 4.5 |
| Flexural Strength, psi | 14,000 | 14,000 |
| Compression Strength, psi | 34,000 | 34,000 |
| Hardness, Shore D | 85 | 85 |
| Water Absorption, 24 hrs., % gain | 0.18 | 0.18 |
| Dielectric Constant @ 60 HZ | 3.6 | 3.6 |
| Dissipation Factor @ 60 HZ | 0.011 | 0.011 |
| Volume Resistivity, OHM-CM | 1.1 x 10 ¹⁵ | 1.1 x 10 ¹⁵ |
| Dielectric Strength, Volts/Mil | 550 | 550 |
| Thermal Conductivity, BTU/hr/FT/2°F/in. | 3.0 | 3.0 |
| Operating Temperature Range, °C | -40 to +135 | -40 to +135 |



INSTRUCTIONS FOR USE:

By weight or volume: mix two parts 20-3030 epoxy resin to one part 20-3030 hardener.

Apply and cure according to one of the following cure schedules:

| | |
|-------|------------|
| 25°C | 24 hours |
| 60°C | 2 hours |
| 100°C | 15 minutes |

AVAILABILITY:

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

Also available in quarts, gallons, 5 gallon pails and 55 gallon drums.

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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