



# 20-2620 CLEAR URETHANE POTTING & ENCAPSULATING COMPOUND

## DESCRIPTION:

20-2620 is a two component Polyurethane compound designed for applications requiring “water like” clarity. This room temperature curing system provides excellent environmental protection and will not yellow over time.

20-2620 is semi-flexible and will not place excess stress on electronic components. It also has a low viscosity, which facilitates easy flow and penetration into difficult areas.

This product has a convenient one to one mix ratio and is considered DOT non-hazardous.

Available in TriggerBond®

## FEATURES:

- \* Water Clear
- \* Excellent Environmental Resistance
- Semi-Flexible
- \* Non-Yellowing

## TYPICAL SPECIFICATIONS:

|  |                       |
|--|-----------------------|
| Color  | Crystal Clear         |
| Viscosity, 25°C cps                            |                       |
| Resin  | 1,400                 |
| Curing Agent                                   | 7,800                 |
| Mixed  | 2,700                 |
| Mix Ratio by Volume or Weight (Resin:Catalyst) | 1:1                   |
| Pot Life, 25°C, 100 grams                      | 80 minutes            |
| Hardness, Shore A/Shore D                      | 85/40                 |
| Tensile Elongation, %                          | 60                    |
| Tensile Strength, psi                          | 1,200 psi             |
| Tensile Modules @ 100%                         | 250                   |
| Dielectric Strength, volts/mil                 | 500                   |
| Volume Resistivity, ohm-cm                     | $3 \times 10^{15}$    |
| Operating Temperature Range, °C                | -40 to + 135          |
| Coefficient of Thermal Expansion, per °C       | $2.28 \times 10^{-4}$ |
| Fungus Resistance                              | Excellent             |



## INSTRUCTIONS FOR USE:

1. 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.
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 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:

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.

20-2620 is available in the convenient TriggerBond® dual barrel cartridge system. Sizes include the 50ml, 200ml and 400ml cartridges.

## SHELF LIFE:

Six months in original unopened containers when stored at 70-85°F in a dry environment.

## 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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