

20-2621

CLEAR URETHANE POTTING & ENCAPSULATING COMPOUND

DESCRIPTION:

20-2621 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.

20-2621 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.

This product is packaged in the convenient TriggerBond® system.

FEATURES:

- Water Clear
- Semi-Flexible
- Excellent Environmental Resistance
- 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, V/mil	500
Volume Resistivity, ohm-cm	3×10^{15}
Operating Temperature Range, °C	-40 to + 135
Coefficient of Thermal Expansion, per °C	2.28×10^{-4}
Fungus Resistance	Excellent
Refractive Index (liquid)	1.488 @ 589 nm
Spectral Transmission (cured)	> 95% @ 400-1660 nm

INSTRUCTIONS FOR USE:

- 1) In order to get thorough mixing and avoid excessive air entrapment this product should be mixed through static mixers or meter mix equipment. Applying the material in the presence of water may also produce carbon dioxide which will appear as bubbles during cure.
- 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 components at 75-85°F in original containers. If the bulk containers are opened and the contents partially used, the material left in the container should be blanketed with dry nitrogen before sealing. Carefully read Safety Data Sheets before using.

SHELF LIFE:

Three months in original TriggerBond® cartridges when stored at 70-85°F in a dry environment.

AVAILABILITY

20-2621 is packaged in the convenient TriggerBond® dual barrel cartridge system. Sizes include the 50ml, 200ml and 400ml cartridges.

IMPORTANT:

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