

# 20-2162

## URETHANE SEALANT, ADHESIVE & POTTING COMPOUND

### DESCRIPTION:

20-2162 is a unique high performance two component urethane system. The 20-2162 is engineered for demanding applications where flow control is necessary to limit mold leaking, seeping around cable entries and substrate wicking.

20-2162 cures to form a tight seal to prevent water intrusion and provide resistance to degradation from exposure to UV light, hot and cold environments, water, salt water, diesel fuel, JP8, anti-freeze and isopropyl alcohol. It is compatible with most plastics (including polycarbonate), glass and most metals.

### FEATURES:

- Outstanding environmental performance
  - Easy mixing
  - High impact resistance
- Controlled flow  
Available in Triggerbond® cartridges

### TYPICAL SPECIFICATIONS:

Viscosity at 25°C; cps	
Iso	750
Polyol	1,200
Mix Ratio, (Polyol:Iso)	
By Weight	100:57
By Volume	100:50
Color	Black
Hardness, Shore A	
Overnight, 25°C	45-55
Five Days, 25°C	60-70
Five Hours, 60°C	45-55
Operating Temperature, °C	-30 to +125
Working time, 25°C	
Initial Self Leveling	2-3 minutes
Workable	45 minutes
Set Time	8 Hours
Specific Gravity, 25°C	
Iso	1.14
Polyol	1.01
Elongation %	200
Tensile Strength, psi	800
Tear Strength, lb/in	15
Linear Shrinkage, in./in.	0.014
Thermal Conductivity, W/m-K	0.3



Dielectric Strength, Volts/mil	>550
Volume Resistivity, ohm-cm	$7.2 \times 10^{13}$
Surface Resistivity, 25°C, ohm	$>1.0 \times 10^{14}$
Dielectric Constant, 1 kHz	3.4
Dissipation Factor, 1 kHz	0.017

### INSTRUCTIONS FOR USE:

- 1) By weight accurately mix 100 parts Polyol to 57 parts Isocyanate. By volume, mix 100 parts Polyol to 50 parts Isocyanate
- 2) Two components should be carefully measured in metal, plastic, or glass containers. Avoid using paper cups and wooden stirrers.
- 3) Mixed material may be degassed at 28-29 inches of mercury to remove air and ensure bubble free castings. Containers should be large enough to allow frothing.
- 4) A mold release agent may be used if parts will be demolded.
- 5) When pouring for cast parts pour in steady stream in one spot that avoids overlapping or trapping air. Parts may be preheated to improve flow.

### STORAGE, HANDLING AND SAFETY:

Store both components at 75-85°F in original containers. If the containers are opened and the contents are partially used, the material left in the container should be blanketed with dry nitrogen before sealing. The products are moisture sensitive.

In the original unopened quart, gallon, 5-gallon pail and 55-gallon drum containers, this product has a twelve-month shelf life. When packaged in the convenient Triggerbond® Dual Barrel cartridges, the shelf life is six months.

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

### PACKAGING:

This product is available in the convenient TriggerBond® dual barrel cartridges in 50mL, 75mL, 200mL and 400mL. 20-2162 is also available in quarts, gallon, 5-gallon pails, and 55-gallon drum containers.

### IMPORTANT:

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