

## Product Highlights

- Water clear aliphatic polyurethane
- Hard rubber feel
- Holds water clear color in the presence of UV rays
- Low viscosity to freely flow through most molds
- User friendly ratios

Mixing Properties:	Part A (Isocyanate)	Part B (Polyol)
Mix Ratio (Parts by Weight)	93	100
Mix Ratio (Parts by Volume)	100	100
Color	Clear	Clear
Viscosity cps @ 77F	150	1300
Viscosity cps @ 77F (mixed)	500	
Specific Gravity @ 77F (mixed)	1.07	
Gel Time @77F	2 min ± 15 seconds	
Demold Time (varies w/ mass)	2 hrs ± 30 minutes	

Physical Properties:	ASTM Method	Cure 1
Hardness, Shore A	D-2240	80 ± 5
Density @ 77°F (g/cc)	D-792	1.07
Tear Strength (Die C PLI)	D-624	250
Tensile Strength (PSI)	D-638	1137
Elongation (%)	D-638	120
Shrinkage (in/in) (5"x.125"x.5" sample)	D-2566	.003
Taber Abrasion (H-18, 1000g, 1000 cycles)	D-4060	NA
Color	Visual	Water Clear

**Cure 1: Physical properties obtained using ambient room temperature (77°F). Tested after 7 days**

## Other related products offered

- Silicone rubber
- Mold release agents
- Mix tubes
- Additional products available. Inquire directly for products not listed.

## **Processing suggestions:**

- Thoroughly agitate polyol (hardener) component to be sure the liquid is homogeneous.
- Properly weigh out the appropriate amounts of resin and hardener.
  - Mix Thoroughly for two minutes being sure to scrape sides and bottom of container.
  - For best results, de-air the product before pouring into mold.
  - Pressurize mold in a pressure pot at 60psi until cured.

## **Kit Sizes and Weights:**

- |                   |             |
|-------------------|-------------|
| • Quart Kit       | 3.85 lbs.   |
| • Gallon Kit      | 15.5 lbs.   |
| • Five Gallon Kit | 77.5 lbs.   |
| • Drum Kit        | 871.65 lbs. |

## **Safety Precautions:**

The safety data sheet (SDS) for this or any Thermoset Solutions, LLC product should be read prior to use and is available upon request from Thermoset Solutions, LLC.

Use in a ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

## **If Contact Occurs:**

- Eyes: Immediately flush with water for at least 15 minutes. Call a physician.
- Skin: Immediately wash with soap and water. Remove contaminated clothing. Do not use solvents to wash skin. Seek medical attention if allergic reaction occurs.
- Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel.

## **Notice:**

The information contained in this tech data sheet is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.