HYPURSET HSA 1007

Product Highlights

- Low viscosity to pick up the finest details
- User friendly processing with one-to-one mix ratio by weight and volume
- Long work time allows for vacuum degassing or pressure casting if needed

Mixing Properties:	Part A (Isocyanate)	Part B (Hardener)
Mix Ratio (Parts by Weight)	100	100
Mix Ratio (Parts by Volume)	100	100
Viscosity cps	1800	500
Viscosity cps @ 77F (mixed)	900	
Specific Gravity @ 77F (mixed)	1.08	
Gel Time @77F (minutes)	10 – 15 minutes	
Demold Time (hours, varies w/ mass)	3 – 5 hours	

Physical Properties:	ASTM Method	Cured Properties
Hardness, Shore A	D-2240	7 A
Hardness, Shore OO	D-2240	60 OO
Density @ 77°F (g/cc)	D-792	1.04
Tear Strength (Die C PLI)	D-624	25
Tensile Strength (PSI)	D-638	120
Elongation (%)	D-638	550%
Shrinkage (in/in) (5"x .125"x .5"sample)	D-2566	.003
Color	Visual	Translucent/Clear

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.
    - A heated post cure is recommended to achieve maximum properties and heat resistance. Depending on geometry, the part may need to remain in the mold or fixtured to maintain part tolerances.

Kit Sizes and Weights:

• Quart Kit	(0.45 gal)	4 lbs.
• Gallon Kit	(1.8 gal)	16 lbs.
• Five Gallon Kit	(8.9 gal)	80 lbs.
• Drum Kit	(100.4 gal)	900 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.