THERMOSET TSA 1590FG

Product Highlights

- User friendly viscosity and work time
- Convenient 1:1 mix ratio for hand mix applications
- All components are FDA approved for dry food contact per CFR 21.177.1680

Mixing Properties:	Resin (Isocyanate) Part A	Hardener (Polyol) Part B
Mix Ratio (Parts by Weight)	100	100
Mix Ratio (Parts by Volume)	85	100
Color	Translucent	Translucent
Viscosity cps @77F	1000	350
Mixed Viscosity cps @ 77F	400	
Gel Time @77F	15 min	
Demold Time (varies w/ mass)	4-8 hours @ RT	

Physical Properties:	ASTM Method	Cure 1
Hardness, Shore A	D-2240	90A
Density @ 77°F (g/cc)	D-792	1.10
Tear Strength (Die C PLI)	D-624	497
Tensile Strength (PSI)	D-638	2360
Elongation (%)	D-638	240
Shrinkage (in/in) (5"x .125"x .5"sample)	D-2566	.002
Color	Visual	White

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

FDA DISCLAIMER: Thermoset Solutions formulations have been successfully used to manufacture products that have passed various levels of compatibility testing, however, the responsibility for testing cured parts to verify suitability for any application lies with the customer and/or end user. Thermoset Solutions makes no warranty, expressed or implied, of fitness for a particular use.

Other related products offered

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

Processing suggestions:

- 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.
    - Mold temperature is recommended to be 150 °F for faster de-mold, otherwise longer time in room temperature mold will be required.
    - 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	(0.44 gal)	4 lbs.
• Gallon Kit	(1.8 gal)	16 lbs.
• Five Gallon Kit	(8.8 gal)	80 lbs.
• Drum Kit	(98.6 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.