

Technical Data Sheet

GENERAL DESCRIPTION

Casting Resin with 55 Shore A Hardness

GSP 5550-2 is a two component polyurethane casting and tooling system. Its features include an easy mix ratio of 1:1 parts by volume, quick cure, high tear strength, and low viscosity.

Features are:

- Easy 1:1 mix ratio means the system is available in cartridges
- Quick cure and demold time

COMPONENT PROPERTIES

Property	GSP 5550-2A	GSP 5550-2B
Shelf Life	6 months	12 months
Density (lb/gal)	9.09	8.47
Viscosity (cps)	~800	~1500
Color	Amber	Various

HANDLING PROPERTIES

Property	GSP 5550-2
Mix Ratio by Weight	109 A : 100 B
Mix Ratio by Volume	1 A : 1 B
Pot Life	10 minutes
Viscosity, mixed (cps)	~1,150
Gel Time	15 - 30 minutes
Cure Time	1 hour at 150° F or 24 hours at room temperature
Demold Time	3 hours at room temp

PHYSICAL PROPERTIES

Property	GSP 5550-2
Hardness	55 Shore A
Color	Various

INSTRUCTIONS FOR USE

The recommended method of application for this product is with prepackaged, side-by-side ratio tubes using a dispenser and a static mix nozzle. To ensure an accurate mix ratio when dispensing material through a static mixer, discard the first material extruded from the mixer. Product can now be applied directly to the bonding surface. Static mixers and dispensers are available from GS Polymers. Contact the sales department for further information.

TO MIX BY HAND: Proportion out components according to parts by weight or volume ratio into a non-reactive container (polyethylene, polypropylene, or metal de-rimmed can). Container should be about five times larger than the volume of the mixed material. Mix components very thoroughly, preferably with a metal spatula, scraping the sides and bottom of container to incorporate all material.

Note: During application, do not scrape sides or bottom of the container used for mixing. Residual amounts of poorly mixed material may be incorporated. Such material may fail to cure completely, and may not achieve full physical properties.

CURING INSTRUCTIONS**Mix Ratio by Volume:**

Mix one part **GSP 5550-2 Part A** to one part **GSP 5550-2 Part B**.

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET (MSDS) PRIOR TO USING THIS PRODUCT.

Notice to User:

The following is made in lieu of all warranties, expressed or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers/owners of G.S. Polymers, Inc.

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