

## Technical Data Sheet

### GENERAL DESCRIPTION

General Purpose Potting Compound and Adhesive

**GSP 1329** is a two component epoxy material used for potting and adhering.. The cured product has good impact strength and excellent general adhesion. **GSP 1329** has about 2 hours of pot life which allows for longer fixturing times

### COMPONENT PROPERTIES

Property	GSP 1329 Part A	GSP 1329 Part B
Shelf Life	6 months	6 months
Density (lb/gal)	9.67	8.04
Viscosity	Flowable	Flowable
Color	Black	Translucent Brown

### HANDLING PROPERTIES

Property	GSP 1329
Mix Ratio by Weight	100 A : 42 B
Mix Ratio by Volume	2 A : 1 B
Pot Life	2 hours
Gel Time (100 gram mass)	3 hours
Cure Time	24 hours at room temperature

### PHYSICAL PROPERTIES

Property	GSP 1329
Hardness	72 Shore D
Color	Clear or Black
Dielectric Strength (V/mil)	378 (ASTM D149-97a Method A)
Dielectric Constant (k)	3.09 (ASTM D150-98)
Volume Resistivity ( $\Omega \cdot \text{cm}$ )	5.172E+15 (ASTM D257-99)

## **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. Material should be used immediately.

**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 2 parts of **GSP 1329 Part A** to 1 part **GSP 1329 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.

**Prepared: 11/28/05 CES**

**Revised: 7/10/06 KRF r4**