



# Silicones, Inc.

P.O. Box 363  
High Point, NC 27261  
Tel: 336-886-5018  
Fax: 336-886-7122  
www.silicones-inc.com

*RTV-2 Silicones Since 1974*

## GI-1032

### Product Information

#### General Information

**GI-1032** is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for making case molds for the china and ceramics industries. **GI-1032** is also excellent for casting polyurethane foam parts when a slightly higher hardness is desired. **GI-1032** is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. It is easy to mix and de-air, and will cure with only a slight degree of shrinkage. The speed at which the rubber hardens can be accelerated with special activators. Condensation cure two-component silicone rubbers are excellent for most general mold making and prototype applications. They are excellent for casting waxes, gypsum, epoxies and other plastics. **GI-650** is extremely useful for those applications where a medium durometer is required.

#### Typical Properties

##### Uncatalyzed Compound

|                           |                      |                          |
|---------------------------|----------------------|--------------------------|
| <b>Color</b>              | Base: White          | Activator: Green or Blue |
| <b>Viscosity (cps)</b>    | Base: 65,000-85,000  | Activator: 300-400       |
| <b>Mixing Ratio (B/A)</b> | By weight: 100 / 10  | By volume: 100 / 11.4    |
| <b>Viscosity (cps)</b>    | Mixed: 40,000-50,000 |                          |
| <b>Working Time</b>       | 1.5 to 2.5 hours     |                          |
| <b>Cure Time</b>          | 16-18 hours          |                          |
| <b>Shelf Life</b>         | 6 months             |                          |

##### Vulcanized (cured) Properties (7 days @ 70° F / 50% relative humidity)

|  |              |            |
|--|--------------|------------|
| <b>Shore A Hardness (±4)</b>           | One day: 30  | 7 Days: 36 |
| <b>Tear Resistance (ASTM D624)</b>     | 100 ± 15 ppi |            |
| <b>Tensile Strength (ASTM D412)</b>    | 525 ± 25 psi |            |
| <b>Elongation (ASTM D412)</b>          | 275 ± 25 %   |            |
| <b>Service Temperature (° F)</b>       | -60 to 350   |            |
| <b>Shrinkage</b>                       | 0.10 %       |            |
| <b>Specific Gravity</b>                | 1.13         |            |
| <b>Coverage (in<sup>3</sup> / lb)</b>  | 24.5         |            |
| <b>Dielectric Strength (volts/mil)</b> | n.a.         |            |
| <b>Dielectric Constant (@ 100 HZ)</b>  | n.a.         |            |
| <b>Dissipation Factor (@ 100 HZ)</b>   | n.a.         |            |
| <b>Volume Resistivity (ohms/cm)</b>    | n.a.         |            |

*The information contained in this data sheet is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee. Since the conditions of use are beyond our control, Silicones, Inc. disclaims any liability incurred in connection with the use of our products and information contained herein.*