Rhodia RTV Silicone Rubber
(also known as Rhodorsil®) is used extensively in applications where a flexible, self-releasing mold material is required, specifically rapid prototype tooling, polyurethane casting, and general silicone mold-making. This top quality line of silicone systems offers high accuracy, high heat resistance, and excellent tear strength and elongation properties.

Rhodia silicone rubbers are available in two chemistries—addition cure formulations that feature a platinum-based catalyst and condensation cure silicones that feature a tin-based catalyst.
Rhodia Addition Cure Silicone Rubber

Rhodia Addition Cure Silicone Rubbers offer unlimited shelf life (in the cured state), higher durometers for increased mold stability, and do not inhibit the curing of urethanes when in the cured state.

V-240 Silicone Rubber
- 60A Shore Hardness
- 100,000 cps Viscosity
- 74 psi Tear Strength

This extremely durable and accurate silicone rubber features a high platinum content, which offers excellent resistance to cure inhibition.

V-330 Silicone Rubber
- 25A or 33A Shore Hardness
- 10,000 cps Viscosity
- 180 psi (CA35) or 170 psi (CA45) Tear Strength

This addition cure silicone offers the flexibility of two different cured hardnesses depending on the catalyst used. V-330/CA-35 cures to a 25A Shore hardness while V-330/CA-45 results in a slightly harder compound of 33A. Both systems have high tear strengths and excellent detail reproduction.

V-340 Silicone Rubber
- 40A, 45A or 55A Shore Hardness
- 25,000 cps Viscosity
- 180 psi (CA35), 150 psi (CA45) or 75 psi (CA55) Tear Strength

One of our most popular silicone rubber systems for prototype molding applications, V-340 is a versatile system which offers the flexibility of three different cured hardnesses depending on the catalyst used. This is a very low viscosity silicone that offers high strength. Please note: Urethane parts produced from molds using V-3038 catalyst can not be painted.

V-3040 Clear Silicone Rubber
- 39A Shore Hardness
- 40,000 cps Viscosity
- 135 psi Tear Strength

Specifically formulated to make clear rubber molds, V-3040 features the high strength and excellent clarity required in rapid prototyping applications. V-3040 offers the choice of two hardeners. Both hardeners feature excellent clarity permitting the easy creation of parting lines. The V-3038 catalyst features a "self bleed" additive to aid in part demolding and improve the polyurethane resistance of this rubber for a longer mold life.

Silicone Rubber Accessories

Rhodia 47V-50 Silicone Fluid - Non-reactive silicone fluid to thin the viscosity of silicone rubbers

Rhodia V-04 Silicone Adhesion Primer - Primer which promotes silicone adhesion to various substrates.

Rhodia V-06 Silicone Adhesion Primer - Primer which promotes silicone adhesion with Rhodia aerospace and industrial grade silicones.

PT Accelerator - An accelerator for Rhodia Addition cure silicones that provides an accelerated gel time in a shorter time as two hours.

Rhodia VICURE #2 Catalyst - Fast reacting catalyst and accelerator for Rhodia condensation cure silicones.

RTV-3460 Silicone Rubber
- 60A Shore Hardness
- 85,000 cps Viscosity
- 140 psi Tear Strength

RTV-3460 is a two component, addition cure, room temperature curing, 60 Shore A silicone rubber. It is designed for the prototype and architectural industries where urethane elastomers and foams are commonly used. Molds made from RTV-3460 feature high tear strength, excellent dimensional stability in high pressure applications, and improved release characteristics for long mold life. Because of the relatively short working time, meter mix equipment is mandatory for medium to large molds.

To Order Call 1-800-321-8511
**Rhodia Condensation Cure Silicone Rubber**

Rhodia Condensation Cure Silicone Rubbers offer softer cured hardness for molds with deep undercuts and create a more inhibition resistant material (when cured may inhibit the curing of urethanes).

**V-1062 Silicone Rubber**
- 14A or 15A Shore Hardness
- 27,000 or 32,000 cps Viscosity
- 120 ppi or 110 ppi Tear Strength

V-1062 is a high-performance, tin-catalyzed, room temperature curing silicone. The V-1062 base may be used with the Hi-Pro Green Catalyst at a ratio of 10:1 (base to catalyst) to produce a low shrink, 14 Shore A rubber with a 16 hour demold time.

The V-1062 base may also be used with Hi-Pro Blue catalyst at a ratio of 10:1 (base to catalyst). This faster curing system is able to be demolded in 6 hours and produces a slightly harder, 15 Shore A rubber.

Both rubbers are commonly used for production of polyester figurines, giftware casting, and production molding applications.

**V-1065 Silicone Rubber**
- 25A or 30A Shore Hardness
- 45,000 or 43,000 cps Viscosity
- 120 ppi or 100 ppi Tear Strength

V-1065 is a high-performance, tin-catalyzed, room temperature curing silicone. This popular rubber may be used with the Hi-Pro Green Catalyst at a ratio of 10:1 (base to catalyst) to produce a low shrink, 25 Shore A rubber with a 16 hour demold time.

The V-1065 base may also be used with Hi-Pro Blue catalyst at a ratio of 10:1 (base to catalyst). This faster curing system is able to be demolded in 6 hours and produces a slightly harder, 30 Shore A rubber.

Both rubbers are commonly used for production of polyester figurines, giftware casting, and production molding applications.

**VRM-65 Brushable Silicone Rubber**
- 25A or 27A Shore Hardness
- Thixotropic
- 125 ppi or 120 ppi Tear Strength

A unique RTV brushable silicone rubber, this moldmaking material was designed for creating glove molds and mask molds. Excellent surface detail replication and extremely high tear strength.

**V-1067 Silicone Rubber**
- 40A or 37A Shore Hardness
- 50,000 cps Viscosity
- 50 ppi or 40 ppi Tear Strength

V-1067 is a high performance, tin-catalyzed, room temperature curing silicone. This rubber may be used with the V-1067B catalyst at a ratio of 100:2.5 (base to catalyst) to produce a low shrink, 40 Shore A rubber with a 16 hour demold.

The V-1067 base may also be used with Hi-Pro Blue catalyst at a ratio of 10:1 (bases to catalyst). This faster curing system is able to be demolded within six to eight hours and produces a slightly softer 37 Shore A rubber. Both systems are ideal for general moldmaking applications.

**V-1068 Special Effects Silicone Rubber**
- 14A Shore Hardness
- 25,000 cps Viscosity
- 115 ppi Tear Strength
- Translucent

V-1068 is a translucent silicone rubber that may be easily pigmented for making robotic and animatronic skins, prosthetics, and props for theme parks and the film industry.

**RTV 3625 Silicone Rubber**
- 25A or 27A Shore Hardness
- 20,000 cps Viscosity
- 120 ppi Tear Strength

RTV-3625 is a low viscosity, 25 Shore A, tin-catalyzed, room temperature curing silicone rubber. It is available with two catalysts. Aqua Cat catalyst will provide very low shrink with a 16 to 18 hour demold, while Fast Cat Blue is able to be demolded in four hours with slightly higher shrink. Available in drums only.
Rhodia Silicone Rubber Specifications

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Hardness (Shore A)</th>
<th>Viscosity (cp, at 100°F)</th>
<th>Mix Ratio (by wt.)</th>
<th>Gel Time</th>
<th>Demold Time (hours)</th>
<th>Elongation (Percent)</th>
<th>Tear Strength (PPI)</th>
<th>Color</th>
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