

## RTV Silicones



## ALL MG PRODUCTS ▾

Jump to Product Number

[Accessories](#)[Adhesives](#)[Brushes](#)[Cleaners / Degreasers](#)[Contact Cleaners](#)[Desoldering Braid](#)[Dusters & Circuit Coolers](#)[EMI / RFI Shielding](#)[Epoxies](#)[Flux and Flux Remover](#)[Glass & Screen Cleaners](#)[Isopropyl Alcohol](#)[Lead Free Solder](#)[Lubricants](#)[Potting & Encapsulating](#)[Protective Coatings](#)[Pens](#)[Prototyping Materials](#)[RTV Silicones](#)[Soldering/desoldering](#)[Specialized Cleaners](#)[Swabs](#)[Thermal Management](#)[Thermally Conductive](#)[Adhesives](#)[Wipes](#)

# RTV Silicones by MOMENTIVE 2-Part Potting/Encapsulating Compound RTV60

▶ STOCKED ITEM

▶ BUY NOW

**Primary Characteristics**

- ▶ Red flowable
- ▶ **Extreme high temp.**
- ▶ [Condensation cure](#)
- ▶ Useful to 260°C (500°F)
- ▶ Thermal insulator
- ▶ [Primer](#) required

**Use for:**

- ▶ Aerospace applications such as potting, encapsulating, coating and cushioning

Excellent for potting and encapsulating electric motors and transformers. Also used for fabrication of rubber parts and casting molds for low-melting point metals. Recommended for aerospace applications and as a thermal insulator. Excellent retention of elastomeric properties at temperatures from -54°C to 260°C (-65°F to 500°F) continuously, and up to 316°C (600°F) for short periods of time. Cures at room temperature and has excellent adhesion qualities. A [silicone primer](#) is required. The product comes complete with catalyst DBT. [Specialized catalysts](#) are available upon request. RTV60 is a low viscosity version of [RTV88](#) and will flow into small areas.

**Available Sizes**

Catalog Number	Sizes Available	Description
RTV60-1P	1 pint	pail
RTV60-1G	▶ <b>SPECIAL ORDER</b> 1 gallon	pail
RTV60-5G	▶ <b>SPECIAL ORDER</b> 5 gallon	pail
RTV60 requires a primer. Visit our <a href="#">primer guide</a> for details.		

**Specifications**

Use	Potting & Encapsulating
Special Feature	High Temperature
Cross Reference	RTV60
<b>Uncured Properties</b>	
Consistency	Flowable
Color	Red
Specific Gravity	1.48
Pot Life	2 hours
Cure Through Time	24 hours
Useful Temp. Range	-54°C to 260°C (-65°F to 500°F)
<b>Cured Properties - MECHANICAL</b>	
<a href="#">Hardness</a>	57 (Shore A)
Tensile Strength	6.86 MPa (990 psi)
Elongation	120%

Technical Support  
for RTV Silicones

 1-800-255-8886










M.G. Chemicals Disclaimer  
for RTV Silicones >

[Locate Distributor >](#)



**Quick Links**

- ▶ [MSDS](#)
- ▶ [Catalyst options/MSDS](#)
- ▶ [Primer options/MSDS](#)
- ▶ [Specifications](#)
- ▶ [Available Sizes](#)

**Related products:**

-  [RTV21](#)
-  [RTV31](#)
-  [RTV60](#)
-  [RTV88](#)
-  [RTV560](#)
-  [RTV566](#)
-  [RTV577](#)
-  [RTV630](#)
-  [RTV656](#)

**Resources**

- ▶ [Selection Guide >](#)
- ▶ [One Part Chart](#) 
- ▶ [Two Part Chart](#) 

**Find by Application**

- [General Purpose >](#)
- [Aerospace >](#)
- [Marine >](#)
- [High Performance Assembly >](#)
- [Electronics >](#)
- [Thermal Conductivity >](#)
- [High Temperature >](#)
- [Low Temperature >](#)



Cured Properties - ELECTRICAL	
Volume Resistivity	4.4 x 10 <sup>14</sup> ohm · cm
Dielectric Strength	17.7 kV/mm (450 V/mil)
Dielectric Constant	4.0 @ 1000Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.31 W/m · °K
Thermal Expansion	20 x 10 <sup>-5</sup> cm/cm °C
	(11 x 10 <sup>-5</sup> in/in °F)
Other	
<a href="#">Viscosity</a> (@ 25°C)	47,000 cps
Mix ratio (by weight)	100:0.5

[Return to top](#) ^