



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RTV Silicones

RTV Silicones by  **2-Part Potting/Encapsulating Compound**  
**RTV31**



Technical Support  
for RTV Silicones

 1-800-255-8886

M.G. Chemicals Disclaimer  
for RTV Silicones >

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- [RTV566](#)
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- [RTV656](#)

**Resources**


- [▶ Selection Guide >](#)
- [▶ One Part Chart !\[\]\(adb0331d22f78481623cc605df40612a\_img.jpg\)](#)
- [▶ Two Part Chart !\[\]\(7e3a264c08e10137510d1aa76522412b\_img.jpg\)](#)

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**Primary Characteristics**

- ▶ [Red pourable](#)
- ▶ [Condensation cure](#)
- ▶ **Extreme high temp**
- ▶ [Useful to 260°C \(500°F\)](#)
- ▶ [Primer required](#)

**Use for:**

- ▶ Potting surge protectors on telephone poles
- ▶ Potting industrial filters
- ▶ High temp. electrical potting applications
- ▶ Mechanical protection

silicone rubber compound for electrical potting and mechanical applications for high temperature resistance and low viscosity with variable work times and cure rates. Elastomeric properties range from -54°C to 260°C continuously, to 316°C for short periods. Requires [primer](#) for adhesion. The product comes complete with catalyst DBT. [Specialized catalysts](#) are available upon request.

**Available Sizes**

Catalog Number	Sizes Available	Description
RTV31-1P	1 pint	pail
RTV31-1G	1 gallon	pail
RTV31-5G	5 gallon	pail
RTV31 requires a primer. Visit our <a href="#">primer guide</a> for details.		

**Specifications**

Use	Potting & Encapsulating
Special Feature	High Temperature
NSN	8030-00-11-2762
Cross Reference	RTV31
<b>Uncured Properties</b>	
Consistency	Flowable
Color	Red
Specific Gravity	1.42
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>	54 (Shore A)
Tensile Strength	5.98 MPa (870 psi)
Elongation	170%
<b>Cured Properties - ELECTRICAL</b>	
Volume Resistivity	1.6 x 10 <sup>14</sup> ohm · cm
Dielectric Strength	17 kV/mm (430 V/mil)
Dielectric Constant	4.4 @ 1000Hz
<b>Cured Properties - THERMAL</b>	

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)
<b>Other</b>	
<a href="#">Viscosity</a> (@ 25°C)	25,000 cps
Mix ratio (by weight)	100:0.5

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