

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!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





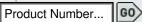


# RTV Silicones



#### ALL MG PRODUCTS 🕶

Jump to Product Number



Accessories

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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

<u>Lubricants</u>

Potting & Encapsulating

**Protective Coatings** 

<u>Pens</u>

**Prototyping Materials** 

**RTV Silicones** 

Soldering/desoldering

Specialized Cleaners

<u>Swabs</u>

Thermal Management

Thermally Conductive

<u>Adhesives</u>

Wipes

# RTV Silicones by MOMENTIVE performance materials 2-Part Potting/Encapsulating Compound RTV31

SPECIAL ORDER

**▶ BUY NOW** 

#### **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 request. 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 avialable 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 ou	r <u>primer guide</u> for details.	

## Specifications

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

Technical Support for RTV Silicones

**NRoHS** 

**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

### Resources

Selection Guide

RTV656

- One Part Chart
- Two Part Chart



# Find by Application General Purpose >

Aerospace >

Marine >

High Performance Assembly >

Electronics >

Thermal Conductivity

High Temperature >

Low Temperature >



Google Search MG

RTV Silicones >> Aerospace and Electronics application high temperature >> Clear, 2 Part Flowable Potting and Encapsulating Compound

Thermal Conductivity	0.31 W/m · °K	
Thermal Expansion	$20 \times 10^{-5} \text{ cm/cm } ^{\circ}\text{C}$	
	(11 x 10 <sup>-5</sup> in/in °F)	
Othor		
Other		
Viscosity (@ 25°C)	25,000 cps	

Return to top ^

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