RTV Silicones by 🐠

## **RTV** Silicones

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#### Accessories

- Adhesives
- **Brushes**
- Cleaners / Degreasers
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- Potting & Encapsulating
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**RTV31** 

#### **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 <u>primer</u> for adhesion. The product comes complete with catalyst DBT. <u>Specialized catalysts</u> are avialable upon request

MOMENTIVE

2-Part Potting/Encapsulating Compound

performance materials

## 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	primer guide 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 - MECHANICAL		
<u>Hardness</u>	54 (Shore A)	
Tensile Strength	5.98 MPa (870 psi)	
Elongation	170%	
Cured Properties - ELECTRICAL		
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

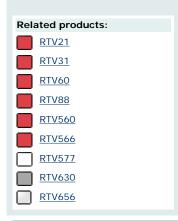
#### **1-800-255-8886**

M.G. Chemicals Disclaimer for RTV Silicones >

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## **Quick Links**

- MSDS
- Catalyst options/MSDS
- Primer options/MSDS
- Specifications
- Available Sizes



## 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 >



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

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	
<u>Viscosity</u> (@ 25°C)	25,000 cps
Mix ratio (by weight)	100:0.5

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