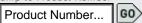
RTV Silicones



ALL MG PRODUCTS 🕶

Jump to Product Number



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Adhesives

Brushes

Cleaners / Degreasers

Contact Cleaners

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Flux and Flux Remover

Glass & Screen Cleaners

Isopropyl Alcohol

Lead Free Solder

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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

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Primary Characteristics

- ▶ Red pourable
- Condensation cure
- ▶ Extreme high temp
- Useful to 260°C (500°F)
- ▶ <u>Primer</u> 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

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 out	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 - ELECTRI CAL	
Volume Resistivity	1.6 x 10 ¹⁴ ohm · cm
Dielectric Strength	17 kV/mm (430 V/mil)
Dielectric Constant	4.4 @ 1000Hz
Cured Properties - THERMAL	

Technical Support for RTV Silicones

NRoHS

2 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



Resources

- ▶ <u>Selection Guide</u> ▶
- One Part Chart
- Two Part Chart



General Purpose >

Aerospace >

Marine 🧎

High Performance Assembly >

Electronics >

Thermal Conductivity

High Temperature >

Low Temperature >



Google Search MG

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

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

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