

RTV Silicones



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RTV Silicones by **2-Part Potting/Encapsulating Compound** **RTV60**



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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	▶ SPECIAL ORDER 1 gallon	pail
RTV60-5G	▶ SPECIAL ORDER 5 gallon	pail
RTV60 requires a primer. Visit our primer guide for details.		

Specifications

Use	Potting & Encapsulating
Special Feature	High Temperature
Cross Reference	RTV60
Uncured Properties	
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)
Cured Properties - MECHANICAL	
Hardness	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 >

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Related products:

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

Resources

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- ▶ [One Part Chart](#)
- ▶ [Two Part Chart](#)

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Cured Properties - ELECTRICAL	
Volume Resistivity	4.4 x 10 ¹⁴ 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 ⁻⁵ cm/cm °C (11 x 10 ⁻⁵ in/in °F)
Other	
<u>Viscosity</u> (@ 25°C)	47,000 cps
Mix ratio (by weight)	100:0.5

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