

## RTV Silicones



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# RTV Silicones by MOMENTIVE performance materials

## 2-Part Potting/Encapsulating Compound

### RTV630



Technical Support  
for RTV Silicones

1-800-255-8886

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for RTV Silicones >

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#### Primary Characteristics

- ▶ Self leveling
- ▶ Addition cure
- ▶ Cures in deep sections
- ▶ **Very high strength**
- ▶ Medium viscosity
- ▶ **Primer required**

#### Use for:

- ▶ Encapsulating applications requiring high tensile strength
- ▶ Exceptionally deep potting applications

Will form thin, light-weight molds with excellent durability. The high tear resistance and inherent release ability make it well suited to the manufacture of intricate castings, by reproducing each part exactly to detail. Other applications include prototype parts, production tools for casting epoxies and rubber rolls. Electrical circuits require a tough potting compound with outstanding vibration withstanding capability find RTV630 unequalled. Silicone [primer](#) is required.

### Available Sizes

Catalog Number	Sizes Available	Description
RTV630-1P	1 pint	1 lb kit
RTV630 requires a primer. Visit our <a href="#">primer guide</a> for details.		

### Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength
Cross Reference	RTV630
<b>Uncured Properties</b>	
Consistency	Pourable
Color	Beige (part A) Blue (part B)
Specific Gravity	1.28
Tack Free Time	4 hours
Cure Through Time	7 days @ 25°C 15 min @ 150°C
Useful Temp. Range	-60°C to 204°C (-75°F to 400°F)
<b>Cured Properties - MECHANICAL</b>	
<a href="#">Hardness</a>	60 (Shore A)
Tensile Strength	5.69 MPa (820 psi)
Elongation	250%
Tear Strength	20 kg/cm (110 lb/in)
<b>Cured Properties - ELECTRICAL</b>	
Volume Resistivity	4.5 x 10 <sup>15</sup> ohm · cm
Dielectric Strength	17.7 kV/mm (450 V/mil)
Dielectric Constant	3.2 @ 1000 Hz
<b>Cured Properties - THERMAL</b>	

### Quick Links

- ▶ [MSDS](#)
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#### Related products:

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

### Resources

- ▶ [Selection Guide](#) >
- ▶ [One Part Chart](#)
- ▶ [Two Part Chart](#)

### Find by Application

- [General Purpose](#) >
- [Aerospace](#) >
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- [High Performance Assembly](#) >
- [Electronics](#) >
- [Thermal Conductivity](#) >
- [High Temperature](#) >
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Thermal Conductivity	0.25 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	21 x 10 <sup>-5</sup> (°C) <sup>-1</sup>
<b>Other</b>	
<a href="#">Viscosity</a> (@ 25°C)	150,000 cps
Mix Ratio (by weight)	10 : 1
Pot Life	4 hours

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