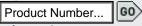
# RTV Silicones



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Potting & Encapsulating

<u>Protective Coatings</u>

<u>Pens</u>

**Prototyping Materials** 

**RTV Silicones** 

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Specialized Cleaners

<u>Swabs</u>

Thermal Management

Thermally Conductive

<u>Adhesives</u>

**Wipes** 

# RTV Silicones by MOMENTIVE performance materials 2-Part Potting/Encapsulating Compound RTV615

STOCKED ITEM

Primary Characteristics

- ▶ Optically Clear
- Easily pourable
- Addition cure
- Primer required
- ▶ FDA Approved

#### Use for:

- ▶ Solar cell potting
- ▶ Optical instruments
- ► Applications requiring visual identification of potted assemblies
- ▶ Food applications

Excellent for potting solar cells for maximum light transmission and electronic assemblies where component identification is desirable. This two part silicone is supplied with a curing agent. Primer required. Cures at room temperature. Has low viscosity allowing easy flow in and around complex parts, providing excellent electrical insualtion and shock resistance. Clarity permits visual inspection foreasy indentification and repair of encapsulated parts. Excellent retention of elastomeric properties at temperatures up to 204°C (400°F). Will cure in deep sections or enclosed assemblies without exotherm and with low shrinkage. Can be used in food contact applications where FDA 21 CFR 177.2600 regulations apply.

# **Available Sizes**

Catalog Number	Sizes Available	Description
RTV615-1P	1 pint	1 lb kit
RTV615-1G	1 gallon	10 lbs. kit
RTV615-5G SPECIAL ORDER	5 gallon	44 lbs. kit
RTV615 requires a primer. Visit our <u>primer guide</u> for details.		

# Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength Optically Clear
Standards	FDA 21CFR 177.2600
Cross Reference	RTV615
Uncured Properties	
Consistency	Easily pourable
Color	Optical clear
Specific Gravity	1.05
Tack Free Time	4 hours
Cure Through Time	6 - 7 days @ 25°C 15 min @ 150°C
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
<u>Hardness</u>	44 (Shore A)

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

#### Related products:

RTV103 Black

RTV108 Translucent

RTV109 Aluminum

## 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 >



Google Search MG

Tensile Strength	6.37 MPa (920 psi)
Elongation	120%
Cured Properties - ELECTRI CAL	
Volume Resistivity	1.8 x 10 <sup>15</sup> ohm · cm
Dielectric Strength	19.7 kV/mm
	500 V/mil
Dielectric Constant	2.7 @ 1000 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.19 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	27 x 10 <sup>-5</sup> (°C) <sup>-1</sup>
Other	
Viscosity (@ 25°C)	4,000 cps
Mix Ratio (by weight)	10 : 1
Pot Life	4 hours
Index of Refraction	1.406

Return to top ^

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