

## RTV Silicones

[One Part](#)
[Two Part](#)
[Primers](#)
[Selection Guides](#)

## ALL MG PRODUCTS ▾

[Accessories](#)
[Adhesives](#)
[Brushes](#)
[Cleaners / Degreasers](#)
[Contact Cleaners](#)
[Desoldering Braid](#)
[Dusters & Circuit Coolers](#)
[EMI / RFI Shielding](#)
[Epoxies](#)
[Flux and Flux Remover](#)
[Glass & Screen Cleaners](#)
[Lubricants](#)
[Potting & Encapsulating](#)
[Protective Coatings](#)
[Pens](#)
[Prototyping Materials](#)
[RTV Silicones](#)
[Specialized Cleaners](#)
[Swabs](#)
[Thermal Management](#)
[Thermally Conductive Adhesives](#)
[Wipes](#)

# RTV Silicones by

## 1-Part Adhesive Sealant RTV102

[▶ STOCKED ITEM](#)
[▶ BUY NOW](#)

### Primary Characteristics

- ▶ White Paste
- ▶ High Strength
- ▶ High performance assembly
- ▶ Acetoxy cure
- ▶ Meets MIL-A-46106
- ▶ UL File no. E-36952
- ▶ FDA 21 CFR 177.2600

Excellent for insulating, sealing, bonding and formed-in-place gaskets. Can be applied to vertical and overhead surfaces. Not for use in delicate electrical and electronic applications in which corrosion of copper, brass, or other sensitive metals is undesirable. Can be used in food contact applications where FDA regulations apply. Reference CDS4319 "Food Contact Applications", "Silicone Rubber Compounds."

## Available Sizes

Catalog No.	Size	Description
RTV102-85ML	2.8 oz	Tube
RTV102-300ML	10.1 oz	Cartridge

## Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength
Standards	FDA 21CFR 177.2600
	MIL-A-46106
	UL Recognized
	UL File No. E-36952
	UL 94 HB
Cross Reference	RTV 102, DC 732

### Uncured Properties

Consistency	Paste
Color	White
Specific Gravity	1.05
Tack Free Time	20 min
Cure Through Time ( 77°F / 50% relative humidity / 1/8" thick)	7 days
Cure Time (@ 77°F /50% relative humidity)	3 days
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)

### Cured Properties - MECHANICAL

Hardness	30 (Shore A)
Tensile Strength	2.8 kg/cm <sup>2</sup> (400 psi)
Elongation	450%
Tear Strength	8 kg/cm

## Quick Links

- ▶ [MSDS](#)
- ▶ [Specifications](#)
- ▶ [Available Sizes](#)
- ▶ [Handling & Safety](#)
- ▶ [Application](#)
- ▶ [Surface Preparation](#)
- ▶ [Warranty](#)

### Related products:

-  [RTV103 Black](#)
-  [RTV108 Translucent](#)
-  [RTV109 Aluminum](#)

## Find by Product Number

[GO](#)

## Resources

- [What are RTV Silicones? >](#)
- [Application Guide >](#)
- [Product Data Spreadsheet >](#)

## Find by Application

- [General Purpose >](#)
- [Aerospace >](#)
- [Marine >](#)
- [High Performance Assembly >](#)
- [Electronics >](#)
- [Thermal Conductivity >](#)
- [High Temperature >](#)
- [Low Temperature >](#)



	45 lb/in
Peel Strength	7 kg/cm
	40 lb/in
<b>Cured Properties - ELECTRICAL</b>	
Volume Resistivity	$3 \times 10^{15}$ ohm · cm
Dielectric Strength	20 kV/mm
	500 V/mil
Dielectric Constant	2.8 @ 60 Hz
<b>Cured Properties - THERMAL</b>	
Thermal Conductivity	$0.5 \times 10^{-4}$ cal/sec/cm <sup>2</sup>
Brittle Point	-60°C (-75°F)
Thermal Expansion	$7 \times 10^{-5}$ (°C) <sup>-1</sup>
<b>Other</b>	
Viscosity (@ 25°C)	400 g/min

[Return to top](#) ^