

RTV Silicones

RTV Number...

ALL MG PRODUCTS ▾

Jump to Product Number

Product Number...

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

RTV Silicones by 



1-Part Adhesive Sealant RTV103

▶ STOCKED ITEM

▶ BUY NOW

- Primary Characteristics
- ▶ Black 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
RTV103-85ML	2.8 oz	Tube
RTV103-300ML	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	Black
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	
<u>Hardness</u>	30 (Shore A)
Tensile Strength	2.8 kg/cm ² (400 psi)
Elongation	450%
Tear Strength	8 kg/cm
	45 lb/in
Peel Strength	7 kg/cm
	40 lb/in

Technical Support
for RTV Silicones

 1-800-255-8886

M.G. Chemicals Disclaimer
for RTV Silicones >

[Locate Distributor >](#)

Quick Links

- ▶ [MSDS](#)
- ▶ [Specifications](#)
- ▶ [Available Sizes](#)

Related products:

- [RTV102 White](#)
- [RTV108 Translucent](#)
- [RTV109 Aluminum](#)

Resources

- ▶ [Selection Guide >](#)
- ▶ [One Part Chart !\[\]\(4e0c6bfa55328bbb2431f387f2758325_img.jpg\)](#)
- ▶ [Two Part Chart !\[\]\(63225d067dcabf424017d497e8dc6839_img.jpg\)](#)

Find by Application

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



Cured Properties - ELECTRICAL	
Volume Resistivity	3 x 10 ¹⁵ ohm · cm
Dielectric Strength	20 kV/mm
	500 V/mil
Dielectric Constant	2.8 @ 60 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.5 x 10 ⁻⁴ cal/sec/cm ²
Brittle Point	-60°C (-75°F)
Thermal Expansion	7 x 10 ⁻⁵ (°C) ⁻¹
Other	
Viscosity (@ 25°C)	400 g/min

[Return to top](#) ^