

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 RTV118

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Primary Characteristics

- ▶ White Flowable
- ▶ Acetoxy cure
- ▶ Food Applications
- ▶ FDA 21 CFR 177.2600

Excellent for thin section potting, filling small surface voids, self leveling protective coatings. Will flow into small crevices and hard to reach places. 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 21 CFR 177.2600 regulations apply. Reference CDS4319 "Food Contact Applications", "Silicone Rubber Compounds."

Available Sizes

Catalog Number	Sizes Available	Description
RTV118-85ML ▶ SPECIAL ORDER	85 mL	Tube
RTV118-300ML	300 mL	Cartridge

Specifications

Use	Adhesive Sealant
Special Feature	High Performance
Standards	FDA 21CFR 177.2600
	MIL-A-46106, group 1, type 2
	UL File No. E-36952
Cross Reference	RTV112
Uncured Properties	
Consistency	Flowable
Color	Clear
Specific Gravity	1.05
Tack Free Time	20 min
Cure Time (77°F /50% relative humidity)	7 days
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
Hardness	25 (Shore A)
Tensile Strength	2.20 MPa (325 psi)
Elongation	325%
Peel Strength	3 kg/cm (15 lb/in)
Cured Properties - ELECTRICAL	
Volume Resistivity	6 x 10 ¹⁴ ohm · cm

Quick Links

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

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- [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 >](#)



Dielectric Strength	16 kV/mm (400 V/mil)
Dielectric Constant	2.8 @ 60 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.21 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	27 x 10 ⁻⁵ (°C) ⁻¹
Other	
Viscosity (@ 25°C)	20,000 cps

[Return to top](#) ^