

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

2-Part Potting/Encapsulating Compound RTV12

▶ STOCKED ITEM ▶ BUY NOW

Primary Characteristics

- ▶ Clear flowable
- ▶ **Primerless adhesion**
- ▶ Condensation cure
- ▶ General purpose potting
- ▶ Room temp. cure
- ▶ Requires parts A and C

Use for :

- ▶ General purpose potting requiring clear, room temp. cure
- ▶ Applications where primerless adhesion is desired

A clear, two component, low viscosity potting compound that cures at room temperature to a soft pliable rubber. Will cure in deep sections. Designed to achieve primerless adhesion to many substrates, including metals, plastics, and ceramics. The excellent electrical properties make it a candidate material for both high and low voltage electrical assemblies. Cushions against mechanical shock and vibration. RTV12 is clear enough to allow visual observation of components during pouring. After cure, the clarity lends to easy identification, repair and replacement of components.

Available Sizes

Catalog Number	Sizes Available	Description
RTV12A-1G	9.5 lbs.	Pail
RTV12C-1P	1 pint	Catalyst for RTV12, pail



Specifications

Use	General Purpose Potting
Special Feature	Cushions against mechanical shock
Cross Reference	RTV12
Uncured Properties	
Consistency	Flowable
Color	Clear (translucent)
Specific Gravity	1.00
Pot Life (@ 25°C / 77°F)	1.6 hours
Cure Through Time	24 hours
Useful Temp. Range	-54°C to 204°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
<u>Hardness</u>	18 (Shore A)
Elongation	20 0%
Cured Properties - ELECTRICAL	
Volume Resistivity	1 x 10 ¹³ ohm · cm
Dielectric Strength	400 V/mil
Dielectric Constant	3.0 @ 1000 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.17 W/m · °K
Brittle Point	-60°C (-75°F)

Quick Links

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

Related products:

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

Find by Product Number

RTV Number...

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 >](#)



Thermal Expansion	$-29 \times 10^{-5} (\text{°C})^{-1}$
Other	
Viscosity (@ 25°C)	1,300 cps
Mix Ratio (by weight)	20:1

[Return to top](#) ^