

RTV Silicones by **MOMENTIVE™**RTV 60 

RTV60

Primary Characteristics

- ▶ Red Flowable
- ▶ **Extreme high temp.**
- ▶ Condensation cure
- ▶ Useful to 260°C (500°F)
- ▶ Thermal insulator
- ▶ Primer required

Use for:

- ▶ Aerospace applications such as potting, encapsulating, coating and cushioning

Excellent for potting and encapsulating electric motors and transformers. Also used for fabrication of rubber parts and casting molds for low-melting point metals. Recommended for aerospace applications and as a thermal insulator. Excellent retention of elastomeric properties at temperatures from -54°C to 260°C (-65°F to 500°F) continuously, and up to 316°C (600°F) for short periods of time. Cures at room temperature and has excellent adhesion qualities. A [silicone primer](#) is required. The product comes complete with catalyst DBT. [Specialized catalysts](#) are available upon request. RTV60 is a low viscosity version of [RTV88](#) and will flow into small areas.

Available Sizes

Catalog Number	Description
RTV60-1P	RTV60 001-Kit (1.0LBS-0.454KG)
RTV60-1G	RTV60 012-Pail Kit (12.1LBS-5.477KG)

RTV60 requires a primer. Visit our [primer guide](#) for details.

Technical Data

Use	Potting & Encapsulating
Special Feature	High Temperature
Cross Reference	RTV60
GE Silicone National Stock Number	
5970-00-071-6915	
5970-00-253-6021	
5970-00-689-8832	
6850-01-340-3787	
8030-00-145-0372	(with RTV9950)
8030-00-895-5491	(with DBT)
8040-01-188-96xx	
9320-00-995-3389	(with DBT)
Uncured Properties	
Consistency	Flowable
Color	Red
Specific Gravity	1.48
Pot Life	2 hours
Cure Through Time	24 hours
Useful Temp. Range	-54°C to 260°C (-65°F to 500°F)
Cured Properties - MECHANICAL	
Hardness	57 (Shore A)
Tensile Strength	6.86 MPa (990 psi)
Elongation	120%
Cured Properties - ELECTRICAL	
Volume Resistivity	4.4×10^{14} ohm ? cm
Dielectric Strength	17.7 kV/mm (450 V/mil)
Dielectric Constant	4.0 @ 1000Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.31 W/m ? ?K
Thermal Expansion	20×10^{-5} cm/cm ?C (11×10^{-5} in/in ?F)
Other	
Minimum Viscosity	25,000 cps
Maximum Viscosity	55,000 cps
Mix ratio (by weight)	100:0.5

FAQ

[View the FAQ](#)

Resources

Related Appguides:

- [1 Part RTV Silicone Selection Chart](#) 
- [2 Part RTV Silicone Selection Chart](#) 

Technical Support for RTV Silicones: 1-800-295-2392

Related Products

RTV 11

RTV 88

RTV 12

RTV 615

RTV 630