RTV Silicones by MOMENTIVE performance materials

RoHS COMPLIANT

2-Part Potting/Encapsulating Compound

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 avialable upon request. RTV60 is a low viscosity version of RTV88 and will flow into small areas.

Available Sizes

Catalog Number	Sizes Available	Description
RTV60-1P	1 pint	pail
RTV60-1G SPECIAL ORDER	1 gallon	pail
RTV60-5G SPECIAL ORDER	5 gallon	pail
RTV60 requires a primer. Visit our primer guide for details.		

Specifications

Use	Potting & Encapsulating
Special Feature	High Temperature
Cross Reference	RTV60
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 x 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 x 10^{-5} cm/cm °C
	(11 x 10^{-5} in/in °F)
Other	
Viscosity (@ 25°C)	47,000 cps
Mix ratio (by weight)	100:0.5