

RTV Silicones by **MOMENTIVE**  
performance materials  
**2-Part Potting/Encapsulating Compound**  
**RTV88**



**Primary Characteristics**

- ▶ [Red spreadable](#)
- ▶ [Condensation cure](#)
- ▶ **Extreme high temp**
- ▶ Useful to 260°C (500°F)
- ▶ Primer required

**Use for:**

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

Excellent for potting and encapsulating electric motors, transformers, and surge protection. Can be used in aerospace applications such as sealing, bonding and quaking on vertical or overhead surfaces. Composition is free of solvents and solvent odour. 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. This two part silicone is supplied with a curing agent. Silicone [primer](#) is required. Cures at room temperature and has excellent adhesion qualities. The product comes complete with catalyst DBT. [Specialized catalysts](#) are available upon request.

**Available Sizes**

Catalog Number	Sizes Available	Description
RTV88-1P	1 pint	pail
RTV88-1G	1 gallon	pail
RTV88-5G	<b>▶ SPECIAL ORDER</b> 5 gallon	pail

RTV88 requires a primer. Visit our [primer guide](#) for details.

**Specifications**

Use	Potting & Encapsulating
Special Feature	High Temperature
Cross Reference	RTV80
<b>Uncured Properties</b>	
Consistency	Spreadable
Color	Red
Specific Gravity	1.47
Pot Life	45 minutes
Cure Through Time	24 hours
Useful Temp. Range	-54°C to 260°C (-65°F to 500°F)
<b>Cured Properties - MECHANICAL</b>	

<u>Hardness</u>	58 (Shore A)
Tensile Strength	5.79 MPa (830 psi)
Elongation	120%
<b>Cured Properties - ELECTRICAL</b>	
Volume Resistivity	$2.8 \times 10^{14}$ ohm · cm
Dielectric Strength	17.4 kV/mm (440 V/mil)
Dielectric Constant	4.3 @ 1000Hz
<b>Cured Properties - THERMAL</b>	
Thermal Conductivity	0.31 W/m · °K
Thermal Expansion	$20 \times 10^{-5}$ cm/cm °C
	( $11 \times 10^{-5}$ in/in °F)
<b>Other</b>	
<u>Viscosity</u> (@ 25°C)	880,000 cps
Mix ratio (by weight)	100:0.5

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