

RTV Silicones


RTV Silicones by  MOMENTIVE performance materials



1-Part Adhesive Sealant RTV167

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- Primary Characteristics
- ▶ Light Gray Paste
  - ▶ High strength electronics
  - ▶ Non-corrosive
  - ▶ Alkoxy neutral cure
  - ▶ MIL-A-46146, group 1, type 1
  - ▶ UL HB recognition
  - ▶ UL File No. [E36952](#)

Excellent in areas that require an extra strength sealing and bonding. Non-corrosive to electronic metals, including copper and brass. Can be applied to vertical or overhead surfaces. Retains elastomeric properties for long periods at temperatures from -60°C to 205°C (75°F to 400°F) and for short periods up to 250°C (500°F). Excellent electrical insulating properties. This product meets Military spec. MIL-A-46146 and is UL HB recognized.

Available Sizes

Catalog Number	Sizes Available	Description	Case Qty
RTV167-85ML	85 mL (2.8 oz)	Tube	12
RTV167-300ML	<b>SPECIAL ORDER</b> 300mL (10 oz)	Cartridge	24

Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength
Standards	MIL-A-46146, group 1, type 1 UL File no. E-36952
Cross Reference	RTV167
<b>Uncured Properties</b>	
Consistency	Paste
Color	Grey
Specific Gravity	1.12
Tack Free Time	4 hours
Cure through time	48 hours
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)
<b>Cured Properties - MECHANICAL</b>	
Hardness	37 (Shore A)
Tensile Strength	5.49 MPa (800 psi)
Elongation	600%
Peel Strength	10 kg/cm 80 lb/in
<b>Cured Properties - ELECTRICAL</b>	
Volume Resistivity	3 x 10 <sup>15</sup> ohm · cm
Dielectric Strength	19.7 kV/mm 500 V/mil
Dielectric Constant	2.8 @ 60 Hz
<b>Cured Properties - THERMAL</b>	

Thermal Conductivity	0.21 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	$27 \times 10^{-5} (\text{°C})^{-1}$
Other	
<a href="#">Viscosity</a> (@ 25°C)	180 g/min

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