RTV Silicones







Technical Support for RTV Silicones

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Related products:

RTV112 White



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- One Part Chart
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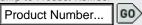


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Prototyping Materials

RTV Silicones

Soldering/desoldering

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Thermal Management

Thermally Conductive

<u>Adhesives</u>

Wipes

Primary Characteristics

- ▶ Clear Flowable
- Acetoxy cure
- Food Applications
- FDA 21 CFR 177.2600

RTV Silicones by **(1)**

1-Part Adhesive Sealant RTV118

Excellent for thin section potting, filling small surface voids, self leveling protective coatings. Will flow into small crevices and hard to reach places. Not for use in delicate electrical and electronic applications in which corrosion of copper, brass, or other sensitive metals is undesirable. Can be used in food contact applications where FDA 21 CFR 177.2600 regulations apply. Reference CDS4319 "Food Contact Applications", "Silicone Rubber Compounds."

MOMENTIVE

Available Sizes

Catalog Number	Sizes Available	Description
RTV118-85ML	85 mL	Tube
RTV118-300ML SPECIAL ORDER	300 mL	Cartridge

Specifications

Use	Adhesive Sealant	
Special Feature	High Performance	
Standards	FDA 21CFR 177.2600	
	MIL-A-46106, group 1, type 2	
	UL File No. E-36952	
Cross Reference	RTV112	
Uncured Properties		
Consistency	Flowable	
Color	Clear	
Specific Gravity	1.05	
Tack Free Time	20 min	
Cure Time (77°F/50% relative humidity)	7 days	
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)	
Cured Properties - MECHANICAL		
<u>Hardness</u>	25 (Shore A)	
Tensile Strength	2.20 MPa (325 psi)	
Elongation	325%	
Peel Strength	3 kg/cm (15 lb/in)	
Cured Properties - ELECTRICAL		
Volume Resistivity	6 x 10 ¹⁴ ohm · cm	
Dielectric Strength	16 kV/mm (400 V/mil)	

Dielectric Constant	2.8 @ 60 Hz	
Cured Properties - THERMAL		
Thermal Conductivity	0.21 W/m · °K	
Brittle Point	-60°C (-75°F)	
Thermal Expansion	27 x 10 ⁻⁵ (°C) ⁻¹	
Other		
Viscosity (@ 25°C)	20,000 cps	

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