

RTV Silicones



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RTV Silicones by MOMENTIVE
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2-Part Potting/Encapsulating Compound RTV11

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Primary Characteristics

- ▶ White Flowable
- ▶ Condensation cure
- ▶ Primer required
- ▶ General purpose potting
- ▶ Room temp. cure
- ▶ Requires parts A and B

Use for :

- ▶ Medical molds/instruments
- ▶ High voltage power supply potting
- ▶ General purpose electrical potting

A white, two component, low viscosity potting compound that cures at room temperature to a soft pliable rubber. Will cure in deep sections. The excellent electrical properties make it a candidate material for both high and low voltage electrical assemblies. Cushions against mechanical shock and vibration. The product comes complete with catalyst DBT. [Specialized catalysts](#) are available upon request.

Available Sizes

Catalog Number	Sizes Available	Description
RTV11-1P	1 pint	case of 12
RTV11-1G	1 gallon	12.1 lbs kit
RTV11 requires a primer. Visit our primer guide for details.		

Specifications

Use	General Purpose Potting
Special Feature	Cushions against mechanical shock
Standards	FDA
NSN	8030-01-104-5392
Cross Reference	RTV11
Uncured Properties	
Consistency	Flowable
Color	White
Specific Gravity	1.19
Pot Life (@ 25°C / 77°F)	1.5 hours
Cure Through Time	24 hours
Useful Temp. Range	-60°C to 204°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
Hardness	41 (Shore A)
Tensile Strength	2.06 MPa (300 psi)
Elongation	160%
Tear Strength	3.5 Kg/cm (20 lb/in)
Cured Properties - ELECTRICAL	
Volume Resistivity	1 x 10 ¹³ ohm · cm
Dielectric Strength	515 V/mil

Dielectric Constant	3.3 @ 1000 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.29 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	25 x 10 ⁻⁵ (°C) ⁻¹
Other	
Viscosity (@ 25°C)	11,000 cps
Mix Ratio (by weight)	100:0.5

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