

## Technical Data:

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# RTV 268

Two-Component Clear RTV Silicone

### Product Description

RTV 268 is a two-component moderate viscosity water clear RTV silicone compound, designed to seal and protect delicate electrical units against humidity or any other atmospheric contaminations as well as against mechanical shock or vibration.

### Features & Benefits

- Clear
- High temperature resistance
- Flexible pot life
- Moderate viscosity
- Accelerated curing at elevated temperature

### Applications

Potting and Encapsulation of Electric/electronic and optical equipment.

### Typical Uncured Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Base Resins</b>	RTV 268 A RTV 268 B	Silicones Silicones
<b>Appearance/Color</b>	RTV 268 A RTV 268 B	Clear Clear
<b>Viscosity @25°C, mPa*s</b> ASTM-D-2196	RTV 268 A RTV 268 B	2000-3000 2500-4000
<b>Density @ 25°C, g/cm<sup>3</sup></b>	RTV 268 A RTV 268 B	0.99 ± 0.02 0.99 ± 0.02
<b>Mix Ratio A:B</b>		1:1
<b>Mix Viscosity @25°C, mPa*s</b> ASTM-D-2196		2000-4000
<b>Work life, @ 25°C, min</b>		20-30
<b>Gel-time, 100g @ 25°C, min</b>		50-90

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**Typical Cured Properties**

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Cure Schedule</b> <sup>*)</sup>	24-48hr/25°C
<b>Hardness</b> , ASTM-D-2240, Shore A	18-23
<b>Thermal Conductivity</b> , W/m-K	0.18
<b>Service Temperature</b> , °C	-55 to 205
<b>Tensile Strength</b> , ASTM-D-412, MPa	0.2-0.3
<b>Tensile Elongation</b> , ASTM-D-412, %	30-60

<sup>\*)</sup> Curing can be accelerated at elevated temperatures

<b>Storage</b>	Store products at 10-35°C for maximum shelf life.
<b>Packaging</b>	Packaging sizes are available from 1L to 5L jerricans
<b>Shelf Life</b>	These products have a shelf life of 6 months in their unopened original jerricans.
<b>Limitation of Liability</b>	Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

**Notes**

Certain materials may inhibit the cure of RTV 268 when placed in contact with mixed, uncured rubber. Materials such as amines and amine-cured epoxies, sulfur containing materials and condensation (tin cured) silicones, are some, which may cause inhibition. Even surfaces, which have been in contact with such materials, may cause it. If in doubt, a patch test should be done.

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