

## Technical Data:

Issued: Nov. 2007  
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## RTV 270

Two-Component Clear RTV Silicone Gel

### Product Description

RTV 270 is a two-component RTV silicone gel, designed to seal and protect delicate electrical units against moisture or any other atmospheric contaminations as well as against mechanical shock or vibration.

### Features & Benefits

- Clear
- Accelerated curing at elevated temperature
- High temperature resistance
- Low water penetration

### Applications

Potting and Encapsulating 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 270 A RTV 270 B	Silicones Silicones
<b>Appearance/Color</b>	RTV 270 A RTV 270 B	Clear Clear
<b>Viscosity @25°C, mPa*s</b> ASTM-D-2393	RTV 270 A RTV 270 B	3000-4500 3000-4500
<b>Density @ 25°C, g/cm<sup>3</sup></b>	RTV 270A RTV 270B	1.0 1.0
<b>Mix Ratio A:B, (vol.)</b>		1:1
<b>Mix Viscosity @25°C, mPa*s</b> ASTM-D-2393		3000-4500
<b>Work life, @ 25°C, min</b>		20-30
<b>Gel-time, 100g @ 25°C, min</b>		50-70

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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>Initial Cure</b> at 25°C, hr	8-12*
<b>Final Cure</b> at 25°C, hr	>48
<b>Gel Hardness</b> , g	100-140
<b>Service Temperature</b> , °C	-55 to 205
<b>Shelf life</b> , months	6

\*) Heating up to 100°C can significantly accelerate curing process. Appropriate curing schedule should be verified in each new application

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**Storage** Store products at 10-35°C for maximum shelf life.

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**Packaging** Packaging sizes are available from 1L to 5L jerricans

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**Shelf Life** These products have a shelf life of 6 months in their unopened original jerricans.

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### Notes

Certain materials may inhibit the cure of RTV 270 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.