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## Set-Sil RTVP 27 HTC

**Set-Sil RTVP 27 HTC** is a gray two-component, addition reaction platinum-catalyzed system that cures at room temperature. **Set-Sil RTVP 27 HTC** has a low viscosity, is easy to process, and its cure rate can be accelerated with heat. The low viscosity and high thermal conductivity makes **Set-Sil RTVP 27 HTC** ideal for potting dense component packages requiring heat dissipation. In addition, **Set-Sil RTVP 27 HTC** offers outstanding fire resistant properties and is approved for UL 94VO

<b>Color</b>	<b>GRAY</b>
<b>Viscosity, cps</b>	<b>6,000</b>
<b>Specific Gravity</b>	<b>2.08</b>
<b>Mix Ratio by weight</b>	<b>1 to 1</b>
<b>Pot Life @ 25°C, Hours</b>	<b>1</b>
<b>Durometer, Shore A</b>	<b>60</b>
<b>Tensile Strength, psi</b>	<b>650</b>
<b>Tensile Elongation,%</b>	<b>70</b>
<b>Shrinkage,%</b>	<b>nil</b>
<b>Coefficient of Thermal Expansion</b>	<b>17 x 10<sup>-5</sup></b>
<b>Thermal Conductivity, BTU-ft/(ft<sup>2</sup>)(hr)(°F)</b>	<b>7</b>
<b>Service temperature Range °C</b>	<b>-55-204°C</b>
<b>Dielectric Strength, volts/mil</b>	<b>500</b>
<b>Dielectric Constant, 1KHz</b>	<b>4</b>
<b>Dissipation Factor, 1 KHz</b>	<b>0.0075</b>
<b>Volume Resistivity, ohm-cm</b>	<b>1.0 x 10<sup>15</sup></b>

### Mixing Instruction:

Weigh out the required amount of *Set-Sil RTVP 27 HTC* A and B. Mix thoroughly, scraping both the bottom and sides of the mixing container. Evacuate mixture @ 29 in Hg until all air is released to insure void-free casting.

### Cure Schedule:

<b>70°F:</b>	<b>125°F:</b>	<b>150°F:</b>	<b>200°F:</b>	<b>250°F:</b>	<b>300°F:</b>
<b>24 Hrs.</b>	<b>1.5 Hrs.</b>	<b>45 Min.</b>	<b>25 Min.</b>	<b>15 Min.</b>	<b>10 Min.</b>

**SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.**

## **Warranty**

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