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## Set-Sil RTVP 216 Optically Clear Silicone

**Set-Sil RTVP 216** is a low viscosity, optically clear silicone rubber used for potting or encapsulation of intricate parts where visual inspection is required. **Set-Sil RTVP 216** offers electrical stability, radiation resistance and will resist reversion when heated in confined spaces. Although it has high tensile strength, it can be easily cut and removed for part repair and new material poured.

<b>Color</b>	<b>CLEAR</b>
<b>Viscosity, cps</b>	<b>4000</b>
<b>Specific Gravity</b>	<b>1.02</b>
<b>Mix Ratio by weight</b>	<b>10 to 1</b>
<b>Pot Life @ 25°C, Hours</b>	<b>4</b>
<b>Durometer, Shore A</b>	<b>40</b>
<b>Tensile Strength, psi</b>	<b>750</b>
<b>Tensile Elongation,%</b>	<b>100</b>
<b>Shrinkage,%</b>	<b>nil</b>
<b>Coefficient of Thermal Expansion</b>	<b>27.5 x 10<sup>-5</sup></b>
<b>Thermal Conductivity, BTU-ft/(ft<sup>2</sup>)(hr)(°F)</b>	<b>1.32</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>2.69</b>
<b>Dissipation Factor, 1 KHz</b>	<b>0.0006</b>
<b>Volume Resistivity, ohm-cm</b>	<b>1.7x 10<sup>15</sup></b>
<b>Refractive Index</b>	<b>1.406</b>

**Mixing Instruction:**

Weigh out the required amount of *Set-Sil RTVP 216 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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