



53 C Otis Street  
 West Babylon, NY 11704  
 Tel. 631-920-5079 Fax. 631-920-0503  
 E-mail SalesSET@optonline.net  
 www.SET-mfg.com

## Set-Sil RTVP 27 Gray or Black

**Set-Sil RTVP 27** is available as either a gray or black two-component, addition reaction platinum-catalyzed system that cures at room temperature. **Set-Sil RTVP 27** has a low viscosity, is easy to process, and its cure rate can be accelerated with heat. **Set-Sil RTVP 27** has excellent electrical and thermal properties and is reversion resistant. In addition, **Set-Sil RTVP 27** offers outstanding fire resistant properties and is approved for UL 94VO

Color	GRAY	BLACK
Viscosity, cps	3000	3,000
Specific Gravity	1.5	1.41
Mix Ratio by weight	1 to 1	1 to 1
Pot Life @ 25°C, Hours	1 to 1.5	1
Durometer, Shore A	60	50
Tensile Strength, psi	500	500
Tensile Elongation,%	135	150
Shrinkage,%	nil	nil
Coefficient of Thermal Expansion	22 x 10 <sup>-5</sup>	23 x 10 <sup>-5</sup>
Thermal Conductivity, BTU-ft/(ft <sup>2</sup> )(hr)(°F)	2.16	2.16
Service temperature Range °C	-55-204°C	-55-204°C
Dielectric Strength, volts/mil	500	450
Dielectric Constant, 1KHz	3	3.15
Dissipation Factor, 1 KHz	0.004	0.008
Volume Resistivity, ohm-cm	1.0 x 10 <sup>15</sup>	1.0 x 10 <sup>15</sup>

### Mixing Instruction:

Weigh out the required amount of Set-Sil RTVP 27 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:

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

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

## **Warranty**

**Silicone & Epoxy Technology** accepts no liability, in negligence or otherwise, in this communication. Under no circumstances shall the company be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of this product. The sole liability shall be the purchase price of the product. You should test the material to determine if the material is suitable, and/or claims are valid, in your particular circumstances. None of the possible or suggested uses of the materials in this communication are licensed under any Silicone & Epoxy Technology patent covering such use or a recommendation for use of such materials in the infringement of any patent.

### **Silicone & Epoxy Technology**

Phone: 631-920-5079      Fax: 631-920-0503

Place Orders To: [SalesSET@optonline.net](mailto:SalesSET@optonline.net)

**[www.SET-mfg.com](http://www.SET-mfg.com)**