



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 RTV 960 Low Temperature Flexibility Silicone

**Set-Sil RTV 960** is a general purpose, 2-part room temperature condensation cure siloxane elastomer. **Set-Sil RTV 960** can be used with different types of catalyst to vary pot life. The cure can be modified by changing the amount of catalyst added to the base. To extend the work-life, adding as little as 0.1% of DBT catalyst can be done without changing the final physical properties. This material can also be catalyzed with Deep Section Catalyst for applications requiring a deeper cure.

In addition, **Set-Sil RTV 960** exhibits excellent release properties unless a primer, resulting in excellent adhesion, is used. **Set-Sil RTV 960** can meet a wide temperature range requirement.

Color	RED
Viscosity, cps	30,000
Specific Gravity	1.42
Mix Ratio using DBT	0.1-0.5%
Pot Life @ 25°C,min	VARIES
Durometer, Shore A	50
Tensile Strength, psi	500
Tensile Elongation,%	100
Shrinkage,%	0.2-0.5
Coefficient of Thermal Expansion	$20 \times 10^{-5}$
Thermal Conductivity, BTU-TU IN/(ft <sup>2</sup> )(HR)(°F)ft/(ft <sup>2</sup> )(hr)(°F)	2.14
Service temperature Range °C	115-200°C
Dielectric Strength, volts/mil	540
Dielectric Constant, 1KHz	3.9
Dissipation Factor, 1 KHz	0.02
Volume Resistivity, ohm-cm	$2 \times 10^{14}$

### Mixing Instruction:

Weigh out the required amount of Set-Sil 960A 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:

Full cure reached at 72°F: 24 Hours.

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

## **Warranty**

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### **Silicone & Epoxy Technology**

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

Place Orders To: SalesSET@optonline.net

**[www.SETTech-arc.com](http://www.SETTech-arc.com)**