



Silicone & Epoxy Technology

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 812 General Purpose Silicone Potting/ Encapsulant

Set-Sil RTV 812 is a general purpose potting, encapsulant and molding material. Set-Sil RTV 812 offers excellent low and high temperature stability, and exhibits excellent electrical properties.

Color	PINK
Viscosity, cps	15,000
Specific Gravity	1.33
Mix Ratio using DBT	0.1-0.5%
Pot Life @ 25°C,min	VARIABLE
Durometer, Shore A	47
Tensile Strength, psi	450
Tensile Elongation,%	175
Shrinkage,%	0.2-0.5
Coefficient of Thermal Expansion	$21 \times 10^{-5}$
Thermal Conductivity, BTU-TU IN/(ft <sup>2</sup> )(HR)(°F)ft/(ft <sup>2</sup> )(hr)(°F)	2.16
Service temperature Range °C	-55-204°C
Dielectric Strength, volts/mil	500
Dielectric Constant, 1KHz	3.4
Dissipation Factor, 1 KHz	0.02
Volume Resistivity, ohm-cm	$1.0 \times 10^{15}$

### Mixing Instruction:

Mix Ratio is 100:10 by weight. Weigh out the required amount of Set-Sil RTV812A 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

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