



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 811-2 General Purpose Silicone Potting/ Encapsulant

Set-Sil RTV 811-2 is a low viscosity general purpose potting, encapsulant and mold making material. Set-Sil RTV 811-2 is used as a high voltage potting compound with excellent electrical properties. Set-Sil RTV 811-2 offers excellent low and high temperature stability and can be used with deep section cure.

Color	WHITE
Viscosity, cps	12,000
Specific Gravity	1.18
Mix Ratio using DBT	0.1-0.5%
Pot Life @ 25°C,min	VARIES
Durometer, Shore A	45
Tensile Strength, psi	189
Tensile Elongation,%	150
Shrinkage,%	0.2-0.5
Coefficient of Thermal Expansion	25 X 10 ⁻⁵
Thermal Conductivity, BTU-TU IN/(ft ²)(HR)(°F)ft/(ft ²)(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	9 X 10 ¹⁴

Mixing Instruction:

Weigh out the required amount of *Set-Sil 811-2 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. With a Deep Section Cure, the mix ratio is 100:10 by weight.

Cure Schedule:

Full cure reached at 72°F: 24 Hours.

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

www.SET-mfg.com