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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

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