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Set-Sil RTV 816 General Purpose Silicone Potting/ Encapsulant

Set-Sil RTV 816 is a general purpose potting, encapsulant and molding material. Set-Sil RTV 816 offers excellent low and high temperature stability.

Color	RED
Viscosity, cps	25,000
Specific Gravity	1.43
Mix Ratio using DBT	0.1-0.5%
Pot Life @ 25°C,min	VARIES
Durometer, Shore A	60
Tensile Strength, psi	800
Tensile Elongation,%	130
Shrinkage,%	0.2-0.5
Coefficient of Thermal Expansion	21×10^{-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	3.7
Dissipation Factor, 1 KHz	0.02
Volume Resistivity, ohm-cm	1.0×10^{15}

Mixing Instruction:

Weigh out the required amount of Set-Sil 816A 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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