



Silicone & Epoxy Technology

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Set-Sil 898

General Purpose Silicone Potting/ Encapsulant

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

Properties-Uncured

Color, visual	Red
Viscosity, cps	16,000
Specific Gravity	1.98
Mix Ratio	100:5 By wt
Pot life @ 25⁰ C, min	45

Physical Cured Proiperties

Durometer, Shore A	69
Tensile Strength, psi	350
Tensile Elongation,%	150
Tear Strength, ppi	20
Coefficient of Thermal Expansion	19 X 10⁻⁵
Thermal Conductivity, BTU-in/0ft² 2hr⁰F	8
Service Temperature, °C	-55 to 260

Electrical

Dielectric Strength, Volts/mil	500
Dielectric Constant, 1 KHz	3.4
Dissipation Factor, 60 Hz	0.02
Volume Resistivity, Ohm-cm	9 X 10¹⁴

Mixing Instruction:

Weigh out the required amount of Set-Sil 898A and B by weight. Mix Thoroughly, scrapping 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:

Overnight at room temperature 73°F (25°C).

SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.

Warranty

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