



Silicone & Epoxy Technology

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Set-Sil 846

Low Density RTV Silicone Compound

Set-Sil 846 finds use in applications involving Air-Bourne or “man-pack” equipment. **Set-Sil 846** is suggested for use in circuitry requiring low capacitance, low dielectric constant and low dissipation.

Properties-Uncured

Color, visual	White
Viscosity, cps	40,000±2000
Specific Gravity	0.72
Mix Ratio	100:10
Pot life @ 25° C, hrs	2-3
Shelf Life @ 25°C, months	6

Physical Cured Properties

Durometer, Shore A	30
Tensile Strength, psi	700 min
Tensile Elongation, %	120 min
Coefficient of Thermal Expansion	2.0 X 10⁻⁴
Thermal Conductivity, BTU-ft(ft²)(hr)(°F)	0.15
Service Temperature, °C	-55 to 204

Electrical

Dielectric Strength, Volts/mil	500
Dielectric Constant, 1 KHz	2.6
Dissipation Factor, 1 KHz	0.004
Volume Resistivity, Ohm-cm	1 X 10¹⁴

Mixing Instruction:

Weigh out the required amount of Set-Sil 846 A 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:

Cure overnight at room temperature 73°F (25°C).

SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY

Warranty

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