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Set-Sil RTV 940 Low Temperature Flexibility Silicone

Set-Sil RTV 940 is a general purpose, 2-part room temperature condensation cure siloxane elastomer. **Set-Sil RTV 940** can be used with different types of catalyst to vary pot life. The cure can be modified by changing the amount of catalyst added to the base. To extend the work-life, adding as little as 0.1% of DBT catalyst can be done without changing the final physical properties. This material can also be catalyzed with Deep Section Catalyst for applications requiring a deeper cure.

In addition, **Set-Sil RTV 940** exhibits excellent release properties unless a primer, resulting in excellent adhesion, is used. **Set-Sil RTV 940** can meet a wide temperature range requirement.

Color	WHITE
Viscosity, cps	12,000
Specific Gravity	1.2
Mix Ratio using DBT	0.1-0.5%
Pot Life @ 25°C,min	VARIES
Durometer, Shore A	40
Tensile Strength, psi	189
Tensile Elongation,%	170
Shrinkage,%	0.2-0.5
Coefficient of Thermal Expansion	22 x 10⁻⁵
Thermal Conductivity, BTU-TU IN/(ft²)(HR)(°F)ft/(ft²)(hr)(°F)	1.79
Service temperature Range °C	-115-200°C
Dielectric Strength, volts/mil	520
Dielectric Constant, 1KHz	3.6
Dissipation Factor, 1 KHz	0.005
Volume Resistivity, ohm-cm	2 x 10¹⁴

Mixing Instruction:

Weigh out the required amount of Set-Sil 940A 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 0.5% DBT Catalyst or 10% Deep Section Catalyst by weight, will provide a work time or pot life of about one hour and a cure time of 24 hours. The pot life may be lengthened by using less DBT Catalyst (as little as 0.1% DBT Catalyst).

Cure Schedule:

Full cure reached at 72°F : 24 Hours.

SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.

Warranty

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