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Set-Sil RTVP 27 Gray or Black

Set-Sil RTVP 27 is available as either a gray or black two-component, addition reaction platinum-catalyzed system that cures at room temperature. **Set-Sil RTVP 27** has a low viscosity, is easy to process, and its cure rate can be accelerated with heat. **Set-Sil RTVP 27** has excellent electrical and thermal properties and is reversion resistant. In addition, **Set-Sil RTVP 27** offers outstanding fire resistant properties and is approved for UL 94VO

Color	GRAY	BLACK
Viscosity, cps	3000	3,000
Specific Gravity	1.5	1.41
Mix Ratio by weight	1 to 1	1 to 1
Pot Life @ 25°C, Hours	1 to 1.5	1
Durometer, Shore A	60	50
Tensile Strength, psi	500	500
Tensile Elongation,%	135	150
Shrinkage,%	nil	nil
Coefficient of Thermal Expansion	22 x 10 ⁻⁵	23 x 10 ⁻⁵
Thermal Conductivity, BTU-ft/(ft ²)(hr)(°F)	2.16	2.16
Service temperature Range °C	-55-204°C	-55-204°C
Dielectric Strength, volts/mil	500	450
Dielectric Constant, 1KHz	3	3.15
Dissipation Factor, 1 KHz	0.004	0.008
Volume Resistivity, ohm-cm	1.0 x 10 ¹⁵	1.0 x 10 ¹⁵

Mixing Instruction:

Weigh out the required amount of Set-Sil RTVP 27 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.

Cure Schedule:

70°F:	125°F:	150°F:	200°F:	250°F:	300°F:
24 Hrs.	1.5 Hrs.	45 Min.	25 Min.	15 Min.	10 Min.

SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.

Warranty

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