

Rhodorsil® Fluid 47V50

Description

Rhodorsil® FLUID 47V50 (formerly RHODORSIL® V-50 Diluent) is a 50 centipoises, non-reactive silicone fluid. It is primarily used as a diluent or thinner to reduce the viscosity of two-part silicone RTV rubbers, and can be used with all Rhodia two-part RTV systems.

Applications

- Reduces the viscosity of two-part RTV rubber systems
- Improves the release properties in resin casting molds and transfer print pads

Typical Properties

• Color	Clear
• Viscosity, cP. (mPa.s)	50
• Specific Gravity	0.96

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Rhodorsil® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

Effect of dilution to rubber properties

Property	Effect
• Viscosity:	decrease
• Work Time/ Pot Life:	increase
• Hardness, Shore A:	decrease
• Tensile Strength:	decrease
• Elongation:	increase slightly
• Tear Strength:	decrease
• Shrinkage:	increase slightly

Dilution level guidelines

The addition of 5 - 10 parts by weight of **Rhodorsil® FLUID 47V50** added to 100 parts of silicone base rubber (part A), is sufficient to adequately reduce the viscosity for most applications. The addition of 10 parts **Rhodorsil® FLUID 47V50** is the MAXIMUM level recommended. The addition of greater amounts of diluent will significantly affect the physical properties of the cured rubber and may also cause the diluent to bleed out of the cured rubber. High levels of diluent are suggested only for transfer print pad applications.





Storage and shelf life

When stored in its original unopened packaging, at a temperature of 24°C (75°F), **Rhodorsil® FLUID 47V50** may be stored for 36 months from the date of manufacture.

Safety

Please consult the Safety Data Sheet. To obtain a material safety data sheet for this product contact Bluestar at 800-356-7560.

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