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RTV-2 Silicones Since 1974

SI-Thinner

Product Information

General Information

A low viscosity, water clear, non-reactive silicone fluid (100 centistoke) which can be added to either condensation (GI-series) or addition (P-series) cured silicone rubber. The maximum recommended amount that should be added is 15% by weight, based on the weight of the silicone rubber base.

When added to the silicone rubber compounds, SI-Thinner changes the properties of the rubber in the following ways:

Reduced Viscosity: Silicone rubber mixtures with 15% thinner will show much lower viscosity, enabling the rubber to more easily flow into intricately detailed areas.

Improved Air Release: The addition of thinner allows air to escape from the silicone rubber more easily, leading to quicker, more efficient deaeration.

Lower Durometer: Thinner acts as a plasticizer when added to silicone rubber, producing a cured product that is softer and more flexible than the original compound.

Enhanced Release Properties: Addition of thinner can improve release properties, which allows parts to be more easily removed from the mold.

Lower Tear Resistance: Addition of thinner can cause a decrease in tear and tensile strengths while increasing elongation.

The decision to incorporate SI-Thinner into a silicone rubber system should be based on careful consideration of these advantages and disadvantages. Customers are encouraged to test various levels of SI-Thinner in their applications, and should use the lowest amount of SI-Thinner that produces the desired effect.

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