



Silicone Thinner

Silicone Rubber Thinning Fluid

Silicone Thinner is a non-reactive silicone fluid that will lower the mixed viscosity of tin cure (condensation) or platinum cure (addition) silicone rubber products.

Silicone Thinner offers the following advantages:

- ✓ A lower mixed viscosity (A+B) means that the rubber will de-air faster
- ✓ when vacuuming.
- ✓ Mixed rubber (A+B) will flow better over intricate model detail.
- ✓ Silicone Thinner will lower the ultimate shore hardness (durometer) of
- ✓ cured silicone rubber.
- ✓ Pot life (working time) is increased in proportion to the amount of Silicone Thinner used.

Disadvantage: Ultimate tear and tensile strength are reduced in proportion to the amount of Silicone Thinner added, however knotty tear properties of the Mold Max™ series rubbers are unaffected

The following test data is offered as an example of the effects of Silicone Thinner on Mold Max™ 30 silicone rubber (your results may vary):

Value	Mold Max 30 0 % Silicone Thinner*	Mold Max 30 5% Silicone Thinner*	Mold Max 30 10% Silicone Thinner*
Mixes Viscosity (A+B)	25,000 cps	19,000 cps	13,800 cps
Shore Hardness (after 7 days)	30 A	26 A	23 A
Tensile Strength (after 7 days)	400 psi **	350 psi	330 psi
Tear Strength (Die B) (after 7 days)	130 pli ***	115 pli	110 pli

Pli = pounds per linear inch *Psi = pounds per square inch

Directions: An accurate gram scale must be used. *Silicone Thinner is added as a percentage of the Part A rubber base component. Weight out and pre-mix required amount of Silicone Thinner with Part A of silicone rubber before adding Part B catalyst.

Mix all components thoroughly and vacuum as directed on mold rubber technical bulletin.

Important: The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.

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