

DOUGLAS and STURGES

Ingredients for ART

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Food Grade Silicone

Color:	Pale Green
Specific Gravity:	1.08
Viscosity:	60,000 CPS.
Hardness: (shore A)	35+/-5
Tensile Strength:	700 PSI
Tear Strength:	80 PSI

Introduction: Food Grade Silicone is a two part silicone rubber with an extended work time (pot life) designed for mold making. This system is ideal for making molds used for food contact as well as standard casting operations, Food Grade Silicone is great for soap, wax, chocolate, candies or other food products. Food Grade Silicone has been tested to meet the requirements of FDA extraction test CFR177.2600 of federal regulations. For further information please contact technical support.

Mixing Instructions: The base and curing agent are mixed just before using. Mix 10 parts base to 1 part curing agent by weight. Automatic mixing equipment or manual mixing may be used to combine base and curing agent. Immediately after mixing, place the material in a vacuum chamber to remove entrapped air. As the vacuum is drawn, the material will expand as much as four times its original volume. Remove from vacuum chamber and pour very gently, so as not to incorporate air into the material. If after overnight cure the surface is tacky, add mild heat to finish cure (150F for thirty minutes).

Inhibition: Certain materials will cause inhibition or neutralizing of the curing agent. These materials are sulfur and organometallic salt containing compounds found in organic rubbers and many condensation cure RTV's, chloride solvents and amines. Avoid using latex gloves, oil based clays and tin/condensation cured silicone RTV's. Inhibition may easily be determined by brushing a small quantity of this material over the surface and allowing it to cure. If material remains tacky and gummy after the curing time, then the part's surface is acting as an inhibitor.

"The information and data contained herein are based on information we believe reliable. Each user of the material should thoroughly test any application and independently conclude satisfactory performance before commercializing. Suggestions of uses should not be taken as inducements to infringe on any particular patent."