



# FUN SILICONE™

## Easy to Use Silicone Rubber for Casting into Alginate Molds

Accu-Cast™ FUN Silicone™ is a soft silicone rubber made especially for casting into alginate molds to make flexible, exact rubber reproductions of body parts. FUN Silicone™ is easy to use and cures to a strong rubber that is tear resistant and exhibits very low long term shrinkage. Fully cured silicone rubber is certified skin safe. Parts made with FUN Silicone™ will last a long time and are easy to clean (dishwasher safe). An infinite number of color effects can be achieved by adding Silc Pig™ silicone pigments or Cast Magic™ effects powders.



**What You Will Need:** Gather these materials before you begin.



Mixing Cups



Mixing Sticks



Latex-Free Gloves

Work in a well ventilated area at room temperature (73°F/23°C). Wear clothing you don't mind getting material on or wear a smock over your clothes to protect them from accidental spills.

## TECHNICAL OVERVIEW

### Accu-Cast™ FUN Silicone™ Specifications

<b>Mix Ratio:</b> 1A to 1B by volume or weight	<b>Mixed Viscosity</b> (ASTM D-2393): 11,000 cps
<b>Pot Life</b> (ASTM D-2471): 6 minutes	<b>Cure Time:</b> 30 minutes
<b>Shore A Hardness</b> (ASTM D-2240): 20A	<b>Color:</b> Translucent

\*All values measured after 7 days at 73°F/23°C

## PROCESSING RECOMMENDATIONS

**Safety** - Use in a properly ventilated area ("room size" ventilation). Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. Wear vinyl gloves only. Latex gloves will inhibit the cure of the rubber. Mixing containers should have straight sides and a flat bottom. Mixing sticks should be flat and stiff with defined edges for scraping the sides and bottom of your mixing container.

**Store and use material at room temperature (73°F/23°C).** Warmer temperatures will drastically reduce working time and cure time. Storing material at warmer temperatures will also reduce the usable shelf life of unused material. This product has a limited shelf life and should be used as soon as possible.

Because no two applications are quite the same, a small test application to determine suitability for your project is recommended if performance of this material is in question.

## Cure Inhibition

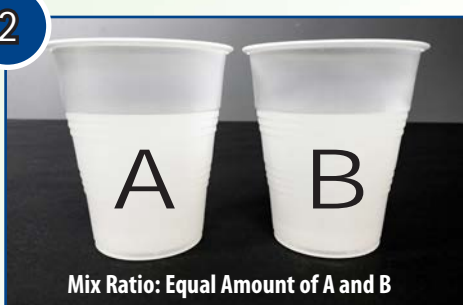
FUN Silicone™ Rubber, in its liquid state, may be inhibited by certain contaminants, such as latex and sulfur. Inhibition has occurred if the rubber is gummy or uncured after the recommended cure time has passed. Do not apply liquid rubber directly to the skin or other surfaces. Mix and pour liquid rubber into an Accu-Cast™ alginate mold only.

1



DO NOT USE THE SAME STICK TO PREMIX

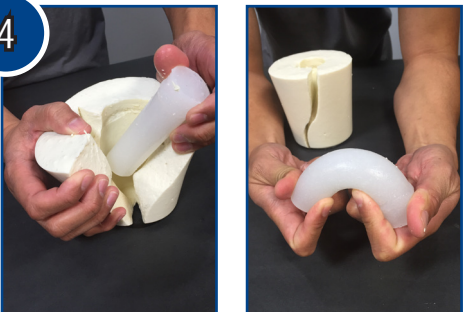
2



3



4



### Step 1: PreMixing Part A and B

It is important to premix the Part A and Part B before combining the two parts. **DO NOT USE THE SAME MIXING STICK TO PREMIX BOTH PARTS A and B.** Stir Part A with a clean mixing stick thoroughly before dispensing. Stir Part B with a *different* clean mixing stick thoroughly before dispensing.

### Step 2: Measuring & Mixing

Dispense required amounts of Part A and Part B into a clean container. The mix ratio is 1A:1B by volume or weight. Pour each part into a clean mixing container to combine them. Once Part A and Part B touch, the potlife begins. Potlife of **FUN Silicone™** is 6 minutes.

Mix the silicone thoroughly making sure that you scrape the sides and bottom of the mixing container several times. Remember, you have 6 minutes to mix and pour the silicone into the alginate mold.

### Step 3: Pouring the Silicone

**Pouring** - For best results, pour your mixture in a single spot at the lowest point of the alginate mold. Let the rubber seek its own level. A uniform flow will help minimize entrapped air.

### Step 4: Demolding-Curing and Performance

**Curing** - Cure time is approximately 30 minutes at room temperature (73°F/23°C). Allow rubber to cure as prescribed at room temperature before demolding. Do not cure rubber where the temperature is less than 65°F/18°C.

**Performance** - The physical life of the silicone reproduction depends on how you use it. Exposure to sharp, abrasive materials can quickly erode rubber detail. Before storing, the silicone rubber part should be cleaned with a soap solution and wiped fully dry. Silicone can also be put in the dishwasher to be cleaned. Silicone reproductions should be stored on a level surface in a cool, dry environment.

## Safety First!

The material safety data sheet (MSDS) for this or any Accu-Cast™ product should be read before using and is available on request. All Accu-Cast™ products are safe to use if directions are read and followed carefully. **Keep Out of Reach Of Children.**

#### Accu-Cast™ Fun Silicone™

**WARNING: IRRITANT TO EYES & MUCOUS MEMBRANES.** Do not take internally. Avoid contact with eyes. Silicone polymers are generally non-irritating to the eyes however a slight transient irritation is possible.

**First Aid:** In case of eye contact, flush thoroughly with water for 15 minutes and get immediate medical attention. If swallowed, do not induce vomiting. Get immediate medical attention. Remove from skin with waterless hand cleaner followed by soap and water. Children should not use this product without adult supervision.

#### Keep Out Of Reach Of Children.

**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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