

TIPS FOR CASTING:

EPOXIES: Epoxy Resins, Putty, or Clay

Epoxies work well for pieces up to 8 cubic inches. For larger castings of 8+ cubic inches, choose epoxies with longer cure times of 24+ hours. Experiment with freezing the mold prior to pouring epoxy resins that create a lot of heat during curing. Epoxy resins that require an added heat source for curing are not recommended.

COMPOSI-MOLD: Try our jewelry grade, crystal clear, Clear Casting Plastic for castings up to 6 cubic inches. Chill the mold for castings up to 20 cubic inches.

URETHANE OR POLYURETHANE:

Choose a urethane with a longer cure time. These create less heat as they cure. You can also experiment with freezing the mold prior to pouring higher temperature urethane resins. Be sure to use talc powder/baby powder as your mold release before each casting made.

SILICONE:

Silicones work great in ComposiMold molds. Make castings with both platinum or tin cured silicone rubbers.

PLASTER/CONCRETE:

Mix plaster and water together in a 72 parts plaster to 28 parts water, by weight, or to a toothpaste-like consistency. Traditional plasters cure well but leave a slight soft layer on the outside of the casting. Fast curing masonry cements work great and cure extremely strong. Follow instructions for mixing ratios.

COMPOSI-MOLD: Try our ComposiStone formulation! It's smooth like plaster but hard as concrete. It works very well in a ComposiMold mold.

SOAPS:

Shea Butter and Glycerine Soap make great soaps! Chill the mold prior to pouring any higher temperature soaps (above 140°F).

WAXES: (for candle molds or encaustic casting)

Soy, Paraffin, Beeswax, and Melted Crayons work really well. Chill the mold first for higher temperature waxes (above 140°F).

COMPOSI-MOLD: Try our all natural Soy Candle Wax for candle making and beautiful wax castings. Cools to a white, creamy finish!

CLAYS:

Use any type of polymer clay, modeling clay, putty, or real clay for push molding in a ComposiMold. Do not use clay in a slurry form or the water will degrade the mold.

CHOCOLATE:

Pour or pipe many types of melted chocolate into your mold. Lightly tap or vibrate the mold to release air bubbles in the chocolate. No mold release is necessary for chocolates.

FONDANT:

Press softened fondant into your mold with your hands or a rolling pin and remove immediately. No mold release is necessary for fondant.

...AND MANY MORE:

For your art, craft, hobby, and hardware projects, you can also try: adding fillers and dyes to casting materials, ComposiMold itself as a rubber casting material, Modeling Compounds, Polyester Resin, Paper Mache and many more!

When casting edible treats, you can also use: no-rise cookie dough recipes, gummies, gum paste, ice, butter, and more!



CAUTION:

Contents are hot when melted and are not suitable for life casting projects. Do not use ComposiMold for edible castings after using with other non-food casting materials.

Experiment! It's Re-Usable!





START SIMPLE

Choose an object with a flat bottom to start.



MELT CompositMold:

1. Slowly melt CompositMold to 130°F-160°F in a heat safe dish in the microwave. Follow timing suggestions below. (Do not exceed 200°F or allow the product to boil.)
2. You may need to allow the CompositMold to rest between intervals if the outer edges get too hot.

SIZE	MICROWAVE TIMES (ESTIMATED)
10 oz.	1 min., 20 sec. intervals until melted
20 oz.	2-3 mins. (Gently stir every 30 secs.)
40 oz.	3-5 mins. (Gently stir every 45 secs.)

(When using a double boiler, remove from heat as soon as product is melted to avoid over heating.)



MOLD & CAST

POUR Your Mold:



1. Anchor the object to be molded (Master) to the bottom of a heat safe dish (Mold Box) with clay or hot glue. (CompositMold poured too hot could melt the hot glue.)
2. Apply a very thin layer of mold release to the Master and the inside of the Mold Box. Then spray a heavy coat of Bubble Buster onto the Master. (Bubble Buster is not intended for use with edible casting materials.)
3. Pour melted CompositMold into the Mold Box to cover the Master by at least 1/2". For Masters with a low melting point such as modeling clay or wax, let CompositMold cool below 145°F before pouring.
4. If you see any bubbles touching the Master, use a toothpick to guide them away.

SOLIDIFY Your Mold:



1. Let your mold cool. CompositMold solidifies when it cools back to a flexible, rubbery, polymer. (Small molds take 15 minutes if chilled in the freezer.)
2. Remove the Master by pulling it out of the mold or making a cut down the side of the mold and opening it like a book. Tape or rubber band it closed before you make your cast.

CREATE Your Cast:

Follow individual product instructions to prepare the casting material you are using. See Casting Tips on the opposite side of this instruction sheet for more information.



1. If necessary, apply a suitable mold release to your mold prior to making your casting.
2. Pour or press your casting material into your mold and let cool/cure/solidify per product instructions.
3. Once ready, remove your cast from your mold and repeat!



CompositMold's greatest advantage is its reusability. All you have to do is re-melt your mold and pour to re-use the material over and over!

CLEAN the CompositMold:

Use a cold, damp cloth to wipe away any casting material. Re-melt the CompositMold and store covered. DO NOT SUBMERGE IN WATER.

FILTER the CompositMold:

If there is casting debris in your CompositMold, simply re-melt it, filter it through cheesecloth into a heat safe container, and re-use!

RE-MELT to RE-USE COMPOSI- MOLD®

CompositMold.com

Download our free E-Book!

WE ARE HERE TO HELP! Watch 100's of tutorial videos or talk to us one-on-one.

1-888-281-2674 or info@CompositMold.com