



COMPOSIMOLD

Heat and Pour Molding Material

www.ComposiMold.com
 sales@composimold.com
 1-888-281-2674

Technical Datasheet

ComposiMold is sold in 2 different varieties:

- ComposiMold-LT
- ComposiMold-FC (Food Contact)

ComposiMold is a reusable mold making material that works by melting and pouring. Many casts can be performed using the same mold. ComposiMold can be reused to make different molds without worrying about wasting mold making material (such as urethanes, silicones, or Alginate).

ComposiMold is sold in 6, 16, 32, 128, and 400 ounce containers.

ComposiMold Comparisons

Item	Color	Relative Stiffness	Hardness Durometer Shore "A"	Elasticity*	Description
ComposiMold-FC (Food Contact)	Amber	Medium Stiffness	10-15	150%	Good stiffness for many molds, Easy to handle part undercuts, easy to mold while still providing good strength
ComposiMold-LT	Amber	Medium Stiffness	10-15	150%	Good stiffness for many molds, Easy to handle part undercuts, easy to mold while still providing good strength

Durometer measured at 68 F

*Elasticity describes the amount of stretch before breaking. 150% elongation means a 1 inch piece can stretch 2.5 inches before breaking

ComposiMold Conforms to ASTM D-4236 which states:

The materials can be re-melted and used again over 35 times with no apparent change in chemical composition, appearance or function.

Although oral exposure is possible if the material were placed in the mouth, this is not intended and chronic repeated oral exposure is unlikely, even by young children, because of the probable poor taste and texture. If repeated oral ingestion were to occur, adverse effects would not be expected because the significant ingredients have very low toxicity and they are commonly found in foods.

Environmentally Friendly

ComposiMold is considered safe for ages 10 and up. The age limitation is set because of the potential for the ComposiMold to be high temperature when in the melted form.

All ingredients used in ComposiMold are organic materials that will biodegrade when left in an aqueous environment. No petroleum products are used in ComposiMold. Although, the reusability means you do not need to dispose of the ComposiMold, it is compostable.

Food Contact Safe

ComposiMold-FC (Food Contact) has been reviewed by a toxicologist and found to be safe for food contact. All ingredients for your current formulation for the mold are allowed by FDA regulations (21 CFR Parts 170-189) for food contact.

Why ComposiMold? *Make Great Molds-Without the Cost*

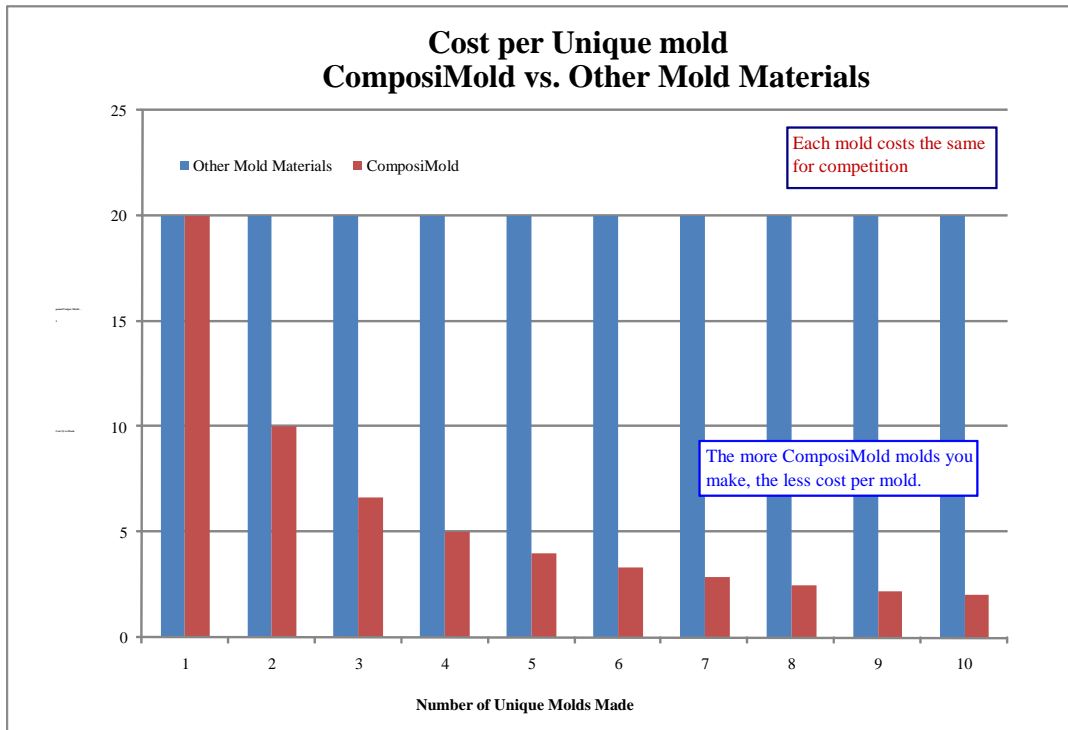
ComposiMold is a unique, innovative new product designed to enhance your mold making experience. It is a reusable mold making material that can make many molds and castings with only one mold making material. ComposiMold provides a unique solution to sculptors and artists by allowing molds to be easily fixed by either using heat to reshape the mold or by re-melting the composite and starting the mold over.

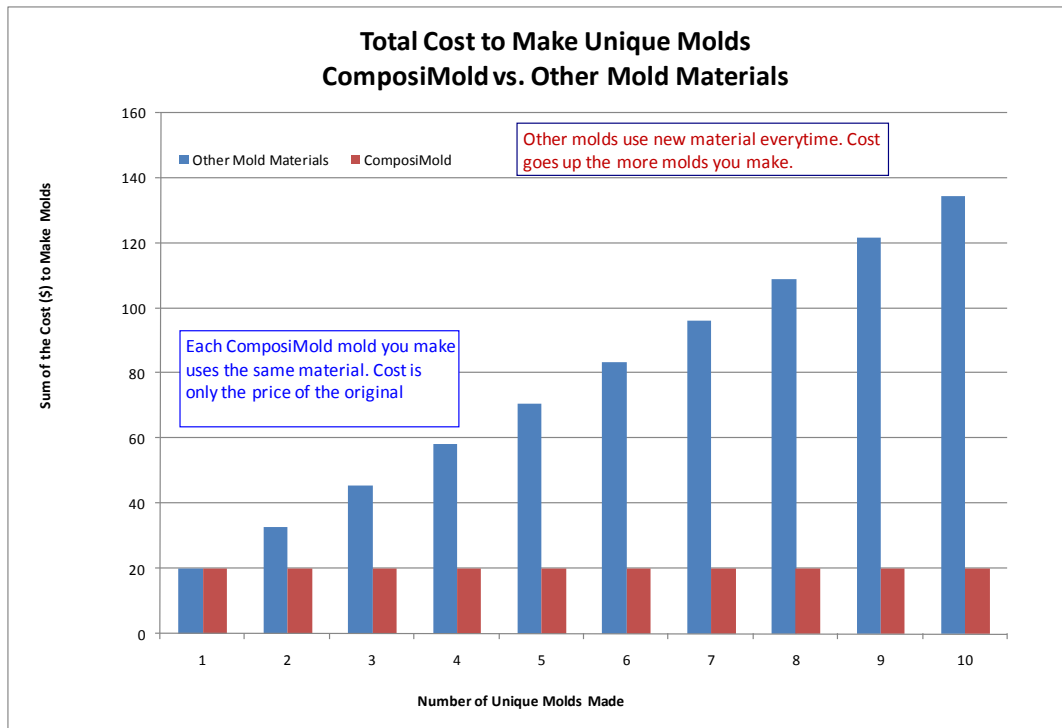
The current record for the number of unique molds made with the same ComposiMold is 40 and still going. For this test, the ComposiMold is melted, a mold made, a part cast, and the cycle repeated. Below is an image of the parts cast.



ComposiMold's formulation provides a stable system with good mold strength, elongation of 150%, and longevity. ComposiMold is the easiest, most flexible molding system available: melt, pour, and use. It is also important to note that no dangerous chemicals are used in the product and therefore safe for both the end-user and the environment.

ComposiMold's key advantage over other mold making materials is the fact that the product is reusable. Compared to other mold making products, ComposiMold has lower costs due to the change in the paradigm. Since the mold can be reused multiple times, the more you use the product, the more money you save.





Another advantage over competitors is that ComposiMold is safe for the environment. The composition of the product does not include petroleum or petroleum byproducts and if composted the material will biodegrade. Also, no dangerous chemicals are used during the production of the material.

ComposiMold is the easiest mold making material to use. The product is melted in the microwave and then used to create a mold of an original master piece. No weighing or mixing is necessary to complete the molding process.

ComposiMold is a rubbery, flexible resin made from a proprietary blend of environmentally friendly materials. Unlike most flexible mold making materials, ComposiMold is a thermoplastic resin that can be melted continuously.

A mold is made by making a negative shape of an original master piece. This original master may be a figurine, toy, scientific instrument, sculpture, or any other piece you would like to mold. The melted ComposiMold is poured or painted onto the original and allowed to solidify by cooling. The time it takes for the ComposiMold to cool depends on the size of the mold. The master is then removed and the casting material is poured or pressed into the cavity in the ComposiMold mold. Casting materials may be polyurethane, silicone, epoxy, plaster, concrete, polymer clay, chocolate, or others.