



COMPOSIMOLD

Heat and Pour Molding Material

www.ComposiMold.com

ComposiMold Paint-on Mold Making Material

California Raisin Gets a Pair of Extra Hands



Another method of making molds is to paint on the ComposiMold directly on to the model. The paint-on (or brush-on) mold method allows you to mold over parts that you cannot put into a container (such as something on a wall) or have undercuts that may be difficult to cover when pouring.

In this example, hands from a California Raisin are molded and cast to make copies. The ComposiMold works well for this application because it cools quickly when in small amounts and the mold thickness can be built up quickly. Because the California Raisin is made from plastic components and the parts have holes into the inside, it would be difficult to mold the entire by putting it into a large mold. Since only the hands were wanted, a mold was only made of the hands.



A mold release is sprayed on to the California Raisin hands



The CompoMold is melted in the microwave.

The first hand is dipped into the CompoMold.





The second hand is coated by painting on the ComposiMold using a stirring stick. The ComposiMold typically solidifies within 30 seconds because of the thin layers. The ComposiMold in the container remains liquid because of the larger quantity and heat contained.



The layers are built up rapidly by either dipping the hands more times or by painting on more ComposiMold.



About a ¼” of ComposiMold is built up around each hand.



After the ComposiMold has solidified, the ComposiMold mold is removed from the hands.



Mold release is sprayed into the hands.



Polyurethane resin is used to make castings of the hands.



The polyurethane is cured and the parts are removed from the ComposiMold molds.



The parts are cleaned up with a knife or razor blade



The hands are cast and complete.



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