

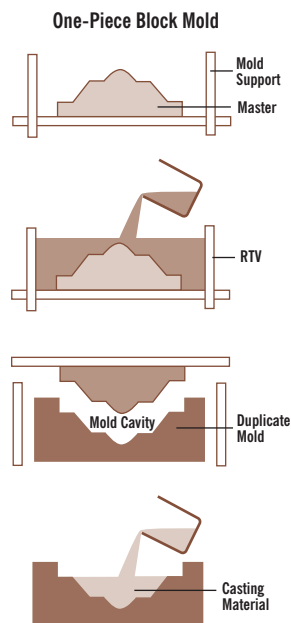
# TYPES OF MOLDS AND APPLICATIONS

**THE TWO MOST COMMON TYPES OF SILICONE RUBBER MOLDS ARE BLOCK MOLDS AND SKIN OR GLOVE MOLDS.**

Block molds are made by forming a mold support around the master. The RTV silicone is then poured so it covers the master and fills the mold support. Skin molds can be either poured or applied by brush. When a skin mold is poured, the master is covered with a layer of clay then surrounded by a mold support. The mold support is then filled with plaster and split. Next, the clay is removed and the resultant gap between the master and the plaster is filled with RTV silicone to form the mold. Brush applied skin molds use layers of RTV silicone and are reinforced with cloth which adds strength and extra tear resistance. Brush application speeds up mold making because a fast curing catalyst can be used.

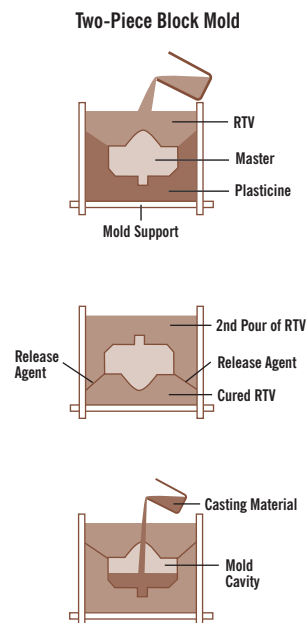
**DIFFERENT MOLDING CRAFTSMEN USE DIFFERENT TECHNIQUES TO PRODUCE MOLDS.**

**SOME OF THE MOST COMMON TYPES OF MOLDS USED IN INDUSTRY INCLUDE:**



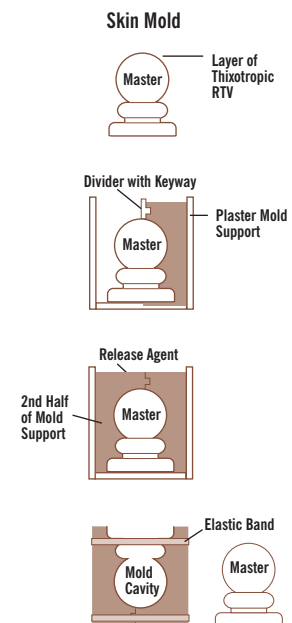
## THE ONE-PIECE BLOCK MOLD

1. Make a box or mold support around the master.
2. Pour in the mixed RTV to cover the master and fill the box.
3. Allow the RTV to cure. Remove what was the base of the mold support and then take out the master. This will leave an exact negative copy of the master in the mold cavity.
4. Pour in the casting material to make duplicates of the mold.



## TWO-PIECE BLOCK MOLD

1. Bed the master into a plasticine or non-sulfur based clay within a mold support and pour in the RTV.
2. After the first pour of RTV has cured, turn the mold upside down. Next, apply a release agent to the upper surface of the cured RTV and fill the mold support with RTV.
3. After the second pour of RTV has cured, open the mold and remove the master. Next, make a hole through the top of the RTV and pour the casting material.



## SKIN MOLD

1. Use a spatula or brush to apply a uniform layer of thixotropic RTV (mixed with Beta 2). Force it well into all undercuts.
2. Pour in the first half of the plaster to make the mold support.
3. Remove the divider, cover the plaster edge with a release agent, and pour the second half of the mold support.
4. Remove the master and pour the casting material into the mold cavity.

## Put us to work – for you!™

Curbell Plastics has been supplying plastic sheet, rod, tube, films, adhesives, sealants, tapes, prototyping and tooling materials, and fabricated parts for over 65 years

ALBANY  
800.553.0335

CLEVELAND  
800.223.2725

FLORIDA  
888.388.3417

PHOENIX  
800.227.7963

SYRACUSE  
800.446.4624

TAPES & FABRICS  
888.287.2355

ATLANTA  
800.433.9756

COLORADO  
866.319.8723

NEW ENGLAND  
800.637.2763

PITTSBURGH  
800.548.0650

VIRGINIA  
888.349.8897

FILMS GROUP  
888.287.2355

CINCINNATI  
800.334.9699

DETROIT  
800.354.4798

PHILA & NJ  
800.831.2550

ROCHESTER  
800.722.2140

WESTERN NY  
800.544.1498

CORPORATE OFFICE  
716.667.3377



NATIONWIDE  
**1.888.CURBELL**  
www.curbellplastics.com