

# MOLD MAKING WITH KERR IMPRESSION MATERIAL

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## WHAT IS IT?

**POLYVINYLSILOXANE**, which explains a lot, doesn't it? It is a low viscosity dental impression material that is also used by the movie industry to make character masks, and by the aerospace industry to make molds. This material has proven to produce molds with extremely fine detail.

Like a dental impression, a mold can be made in 15-20 minutes. The setting time is sufficiently fast, and the viscosity is great enough that it will not "leak" into reasonably small crevices. And, you can run the material over the edge of the piece to produce the sidewall of the cavity. However, it may be advisable to create a dam of limit with tape and paper or cardboard to establish a more consistent edge. We recommend you practice with small pieces to get the "feel" of the material. This way you will use a minimum amount of material in the learning process.

## TO MAKE A MOLD

Extrude equal lengths or equal weights of base and catalyst onto a plastic sheet or a suitable container, but allow sufficient space between the two materials to prevent them from running together until you are ready to mix and apply.

Use a stiff spatula, or similar tool, to mix the material using a stirring motion until a homogeneous mix is obtained. Spread the mixed material back and forth across the mixing pad using the flat surface of the spatula to eliminate air bubbles. **THIS IS NO TIME TO PROCRASTINATE! MIXING TIME IS APPROXIMATELY 1 MINUTE -- AND LESS IS BETTER.** (We are advised that lowering the temperature by placing the material in the refrigerator will increase the working time. This may be helpful when making a mold of a large surface.)

Immediately spread the material over the part, obtaining a good "wetting" contact with the part, and add material to obtain the desired thickness. However, **DO NOT** over work the material. If it begins to set, slight movement will degrade the ability to pick up fine detail. It is better practice to allow a thin application to completely set up and then add material later -- about 10 minutes later.

## *This material gives you several advantages:*

You can make a mold quickly. It has inherent release properties. We have never seen the need for a mold release. A mold can be made from most parts of an assembled firearm, with no damage to stock finishes, etc.

For example, you have access to a Winchester Model 94 with engraving that you would like a copy of. Mix the mold material and apply it to the receiver lapping over the top and bottom to the receiver to create cavity walls. Extend the material onto the stock and fore end. After the material is set and removed from the gun, you have to create the end walls of the cavity. Trim the ends of the material off square, mix a small amount of the mold material, use it to build the cavity wall. (The material has such excellent release properties that we have found nothing else that will bond to it).

**Technical Data:** Material should be stored at room temperature (65 to 75 F. / 18 to 24 C.) at 50% +/-10% relative humidity.

**Warranty:** Kerr Extrude is guaranteed for two year shelf life, when stored as recommended.

## GRS/KERR EXTRUDE MOLD-MAKING KIT

Make molds in minutes, often without disassembly of a firearm. Kit contains one tube each of base and catalyst totaling 180 ml. impression material. Complete instructions are included for successfully making molds with excellent detail.

**Part Number 004-676 GRS Mold Kit**

## EASY-CAST PLASTIC

Casting kits contain parts A and B of low-viscosity casting material which when combined in equal amounts will produce a finished casting in less than 15 minutes. Two kits are available to produce either white, or ivory colored castings. Complete instructions are included.

**Part Number 022-067 Super Plastic 28 oz. - White**  
**Part Number 022-068 Super Plastic 28 oz. - Ivory**

