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 MOLD KIT

#004-676
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.

EASY-CAST PLASTIC

#022-067 SUPER PLASTIC, 28 OZ., WHITE
#022-068 SUPER PLASTIC, 28 OZ., IVORY
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. Tow
kits are available to produce either white, or ivory colored
castings. Complete instructions are included.

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