



*Creative
Paradise,
Inc.*

INNOVATIVE SYSTEM BY CREATIVE PARADISE, INC. TO CREATE ALL GLASS KNOBS



Creative Paradise, Inc. has created a series of molds and a process to form glass knobs that do not require expensive hardware or the drilling of glass! The process and the

design of the molds is protected by copyrights and potential patents. The first mold in the series is LF 51 Four Round Knobs. See step by step instructions for creating four fused glass knobs using this mold below:

Apply a suitable glass separator to the mold, making sure to completely coat the mold including the deepest cavity in the mold. Apply the glass separator according to the manufacturer's written instructions.

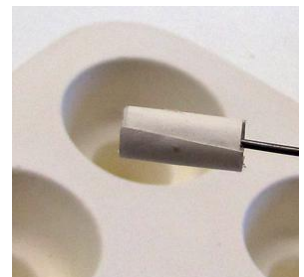
Use a standard hole puncher (paper puncher), as found in office supply departments, to punch 5 disks from 1/8" fiber paper.

Four nichrome wire posts are included with the purchase of the LF51 mold. Make sure that the nichrome post is unbent and as straight as possible. Use one of the posts to skewer 5 of the disks with the nichrome post, puncturing each disk in the center.

Scoot the fiber paper disks to one end of the nichrome post without squashing them out of shape.

Cut a 1/2" x 3/4" piece of Thin Fire paper. Gently, wrap this piece of Thin Fire paper around the fiber paper disks on the nichrome post. Use a small dot of clear Elmer's glue to keep the paper tight around the disks. Do not squeeze the disks out of shape by pulling the paper too tight or gripping the disks too tightly. This Thin Fire paper prevents the melting glass from seeping in between each fiber paper disk during firing. If the Thin fire paper is not used, it may be necessary to use a drill to clean out the channel.

Place the exposed wire end of the nichrome post into the hole (at the center of the cavity in the base of the knob cavity) in the mold. Adjust the wire and wrapped fiber paper disks to make sure that the wire and disks are centered and resting on the lower cavity of the mold. Also make sure that the disks and paper are at the top of the upright portion of the nichrome posts and no large portion of the post is sticking above the fiber paper disks.



Begin to fill the mold with frit. It is recommended to use medium grain frit to fill the lower portion of the cavity. If large grains of frit or glass chunks are used to fill the space between the fiber paper and the mold wall, the glass will not sufficiently fill this portion of the mold and large air bubbles and voids may occur during firing.

Continue to fill the mold cavity with frit, pieces of dichroic, stingers, rod pieces or any other compatible pieces of fusible glass. The four red knobs featured in these images was made by filling the bottom of the mold with medium grain yellow transparent frit, topped with approximately a tablespoon of red/clear coarse frit. Small pieces of dichroic glass was scattered in the mold. Approximately one more tablespoon of medium grain clear frit was added to create a clear cap on top of the knobs.

Before firing the glass, take a toothpick or other suitable tool and sweep the frit to the center of the mold. Creating a mound of frit in the center of the mold cavity will help eliminate glass burrs. The glass will roll down as it melts and create a nice smooth edge where the glass meets the mold. If the glass is level in the cavity or if large pieces of glass are resting on the edge of the mold cavity before firing, sharp edges may be created during firing.

Place the mold filled with glass in the center of a kiln and fire using the following firing schedule:

Rate 1 = 300 Temp 1 = 1360 degrees F Hold 1 = 20 minutes

Rate 2 = 300 Temp 2 = 1465 degrees F Hold 2 = 10 Minutes

Rate 3 = 9999 Temp 3 = 960 degrees F Hold 3 = 1 hour

Rate 4 = 100 Temp 4 = 815 degrees F Hold 4 = 5 minutes

After the kiln has cooled naturally, invert the mold to demold the glass knobs

Remove the nichrome posts and fiber paper from the channel in the glass. Wash knobs with soapy water to remove all glass separator and fiber paper.

Insert the threaded anchor into the cavity to test for clearance. The threaded anchor should fit easily into the cavity. If the threaded anchor doesn't fit easily, it may be necessary to use a dremel tool and a diamond crusted bit to clear any obstructions. Place a dab of E600 glue on the end of the threaded anchor and insert the threaded anchor into the cavity. Allow the glue to dry and thread screw.



Look for molds for pulls of many shapes as well as molds for glass handles exclusively from Creative Paradise, Inc.