

# Fused Glass Knobs and Drawer Pulls

## Example 1



Example 1: LF55 Large Round Knobs

### General Materials:

- Knob or Handle Mold (See Below)
- 16 or 18-Gauge Nichrome Wire Posts (Included with Mold)
- Knob Hardware ([Available in Sets Here](#))
- Fusible Compatible Glass
- Suitable Glass Separator/ZYP
- Materials for Paper Post (See **Page 2**)
- E6000 or Similar Strong Adhesive

### Knob and Handle Molds:



**LF51 Round Knobs**  
 Mold: 4.25" x 4.25" x 2" T  
 Knobs: 1.25" Dia. each  
 Fill Weight: 16g per knob



**LF52 Square Knobs**  
 Mold: 5" x 5" x 2" T  
 Knobs: 1.5" x 1.5" each  
 Fill Weight: 28g per knob



**LF53 Bar Handles**  
 Mold: 6.5" x 3.75" x 2" T  
 Handles: 5" x 1" each  
 Fill Weight: 45g each  
 Distance Btwn Posts: 3"



**LF54 Heart Knobs**  
 Mold: 5.5" x 3" x 2" T  
 Knobs: 2.25" x 2" each  
 Fill Weight: 29g per knob



**LF55 Lg Round Knobs**  
 Mold: 5.75" x 3.25" x 2" T  
 Knobs: 2.25" Dia. each  
 Fill Weight: 32g per knob



**LF56 Lg Oval Knobs**  
 Mold: 4.75" x 3.5" x 2" T  
 Knobs: 2.5" x 1.75" each  
 Fill Weight: 29g per knob

**Begin by preparing the mold thoroughly with suitable glass separator.** We recommend spray-on ZYP. Make sure to wear a mask when applying spray-on separator or using powder frits.

While the separator dries, make the Paper Posts that will go into the mold to reserve space for the hardware later on. There are a few options, so refer to **Page 2** for more details.

Once you've made the Paper Posts, place the exposed wire end of the Post into the hole at the center of the round cavity within each knob cavity (**Image 1**). Adjust the Posts to make sure they're centered and resting in the lower cavity of the mold. Note that for the LF53 Bar Handles a single handle will require two Posts.

After the posts are in place the mold can be filled. We recommend using Medium Grain Frit to fill the lower portion of each cavity, but after that any other types of compatible glass such as other frits, pieces of dichroic, stringers, or bits of rods can be used. Take care when placing the glass to avoid scraping any separator off the mold sides.

Once the mold is filled, sweep the glass away from the mold edges towards the center of each cavity to avoid burrs (**Image 2**). Transfer the filled mold to a level shelf in the kiln and fire using the suggested schedule in **Table 1** or your own preferred Full Fuse.

After the kiln has cooled naturally, invert the mold to de-mold the knobs (**Image 3**). Remove the Paper Posts and wash the knobs with soapy water to remove any residual separator or paper.

Insert the threaded Brass Anchor into each knob cavity to test for clearance. It should fit easily, but if it doesn't it may be necessary to use a drilling tool and Diamond Crusted Bit to clear any obstructions. Place a dab of E6000 Glue or similar strong adhesive on the end of the Brass Anchor and insert it into the cavity. Allow the glue to dry and thread the Screw in to complete (**Images 4 & 5**).

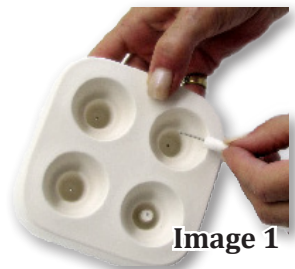


Image 1



Image 2



Image 3



Image 4



Image 5

**Table 1: Full Fuse\***

Seg.	Rate	Temp (°F)	Hold
1	250	1360	20
2	200	1460	15
3	9999	950**	60
4	100	815	05

\*\*If using COE90, adjust this to 900°F

\*Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use. For tips on how to do that, [please click here to see our Important Firing Notes!](#)

# Making the Paper Posts:

## Method 1: Disks

### Method 1 Materials:

- Hole Punch
- 1/8" Thick Fiber Paper
- Thin Fire Paper or Kiln Shelf Paper
- Masking Tape

Use a standard Hole Punch to punch five disks from 1/8" Fiber Paper. Use the Nichrome Posts provided with the mold (or a length of 16-Gauge Nichrome Wire) to skewer the five disks so the post runs through the center of each (**Image D1**). Press the Fiber Paper disks to one end of the Post without deforming them too much.

Wrap a 0.5" x 1.25" piece of Thin Fire Paper around the Fiber Paper disks on the Nichrome Post and use a small piece of masking tape to keep it tight (**Image D2**). Don't overtighten the Thin Fire Paper or deform the Fiber Paper below it.



## Method 2: Fiber Paper

### Method 2 Materials:

- 1/8" Thick Fiber Paper
- Kiln Shelf Paper
- Masking Tape

### Method 2 Materials



### Image FP1



### Image FP2



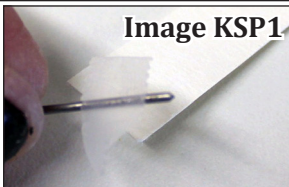
Cut a 0.5" x 1" piece of 1/8" Thick Fiber Paper and a 0.5" x 1.25" piece of Kiln Shelf Paper. Place the Kiln Shelf Paper over the Fiber Paper, roll them tightly together, then secure with a small piece of tape (**Image FP1**). Insert the post into the rolled papers (**Image FP2**).

## Method 3: Kiln Shelf Paper

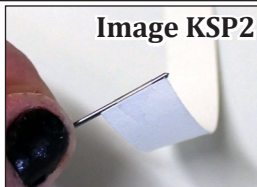
### Method 3 Materials:

- Kiln Shelf Paper
- Masking Tape

### Image KSP1



### Image KSP2



### Image KSP3



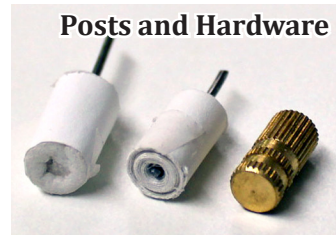
Cut a 0.5" x 10" strip of Papyros or a 0.5" x 12" strip of Thin Fire Paper (these two papers have slightly different thicknesses, hence the length difference). Tape one end of the strip to the Nichrome Post so the tape is on both sides of the Paper (**Images KSP1 & KSP2**), then wind the Paper tightly around the post (**Image KSP3**). Secure with a small piece of tape.

## Notes & Alternate Methods:

If you are able to either source or make ceramic rods with a diameter just larger than that of the hardware, a small section of those prepared with glass separator will also function as a re-useable post. Just make sure to reapply glass separator as needed.

Regardless of method, make sure the Paper Posts are just slightly larger in diameter than the Brass Anchor hardware (which is 1/4" in diameter) before inserting them into the mold.

### Posts and Hardware



### Example 2



Example 2: LF54 Heart Knobs

### Example 3



Examples 3 & 4:  
LF53 Bar Handles



Example 4

[www.creativeparadiseglass.com](http://www.creativeparadiseglass.com)

*Creative Paradise Inc.* ★