



Creative Paradise Inc.



Using jewellery casting moulds

We have a selection of casting moulds which are perfect for making your own earrings, pendants and charms.



Make sure you use a glass separator on your casting mould

It is crucial that you coat your mould with a glass separator so that the glass won't stick to the mould once it is fired. If you don't apply enough glass separator your glass will get stuck or pull out some of the mould. We would recommend using ZYP (Boron Nitride Spray), this comes in a can which can be sprayed easily - spray several light coats in intervals, turning the mould to make sure you coat all the surfaces. Make sure you also wear a mask to avoid breathing in the spray.



Adding frit to your mould

If you want a thicker pendant that has some weight to it you will need to do a full fuse and fill the mould with a frit weight that would be the same as two standard layers of glass. If you want a lighter pendant do not use a full fuse schedule. The table overleaf gives a guide to how much frit to add for a full fuse.



Keep your mould edges clean

Once you have added your frit make sure that you sweep away any loose frit from the edges of the mould, this will prevent burrs from occurring and will ensure that your shape has a smooth edge.



Use a medium grain frit

By using a fine frit grade you will find you get more tiny bubbles once fired and therefore less clarity.



Try using stringers, noodles or small piece of glass in your mould

The process



1 Spray your mould with a mould release spray

2 Place your mould onto a weighing scale

Set the weight to 0 and then begin to fill your mould with frit, stringers or small pieces of glass. In our example we have used F1 and F3 grade frit with stringers. If you want to use dichroic pieces in your mould make sure that they are placed in the mould with the dichroic side up.

3 Brush the frit away from the edges of the mould

This will prevent burrs when its firing.

4 Place your mould in the kiln

Use the full fuse below if you have filled your mould to the recommended weight, detailed overleaf.

System 96 full fuse

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	222°C/hr	to 677°C	0:45
2. Rapid heat process soak	AFAP* or 9999°C/hr	to 796°C**	0:12
3. Rapid cool anneal soak	AFAP* or 9999°C/hr	to 510°C	1:30
4. Anneal cool	100°C/hr	to 427°C	0:10
5. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
6. END	-	-	-

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr

** Will vary depending on desired result and kiln

This data is a guide only, firing programmes may need to be adjusted according to size and thickness of glass and the kiln's performance. Ensure that data is entered into the controller accurately, otherwise glass may not fuse correctly.

Recommended frit weights

Code	Mould	Frit weight in grams (full fuse)
CPLF09	Jewellery hearts and stars	5g each
CPLF31	Four rectangle pendant mould	10g each
CPLF39	Four teardrops pendant mould	4g each
CPLF151	12 mini ovals	2g each
CPLF45	12 mini circles	1g each
CPLF152	12 mini teardrops	5g each
CPLF57	2" teardrop pendant mould with hole	22g
CPLF61	Square jewellery mould with hole	18g
CPLF62	Heart jewellery mould with hole	20g
CPLF63	Circle jewellery mould with hole	28g
CPLF65	Star jewellery mould with hole	30g
CPLF67	Butterfly jewellery mould with hole	32g
CPLF66	Journey jewellery mould with hole	26g
CPLF161	Small cross jewellery mould with hole	60g
CPLF124	Two cast a cab hearts	37g each
CPLF125	Two cast a cab circles	39g each
CPLF126	Two cast a cab squares	34g each
CPLF127	Two cast a cab tears	42g each
CPLF128	Two cast a cab teardrops with hole	32g each
CPLF129	Two cast a cab trilliants with hole	31g each
CPLF130	Two cast a cab circles with hole	43g each