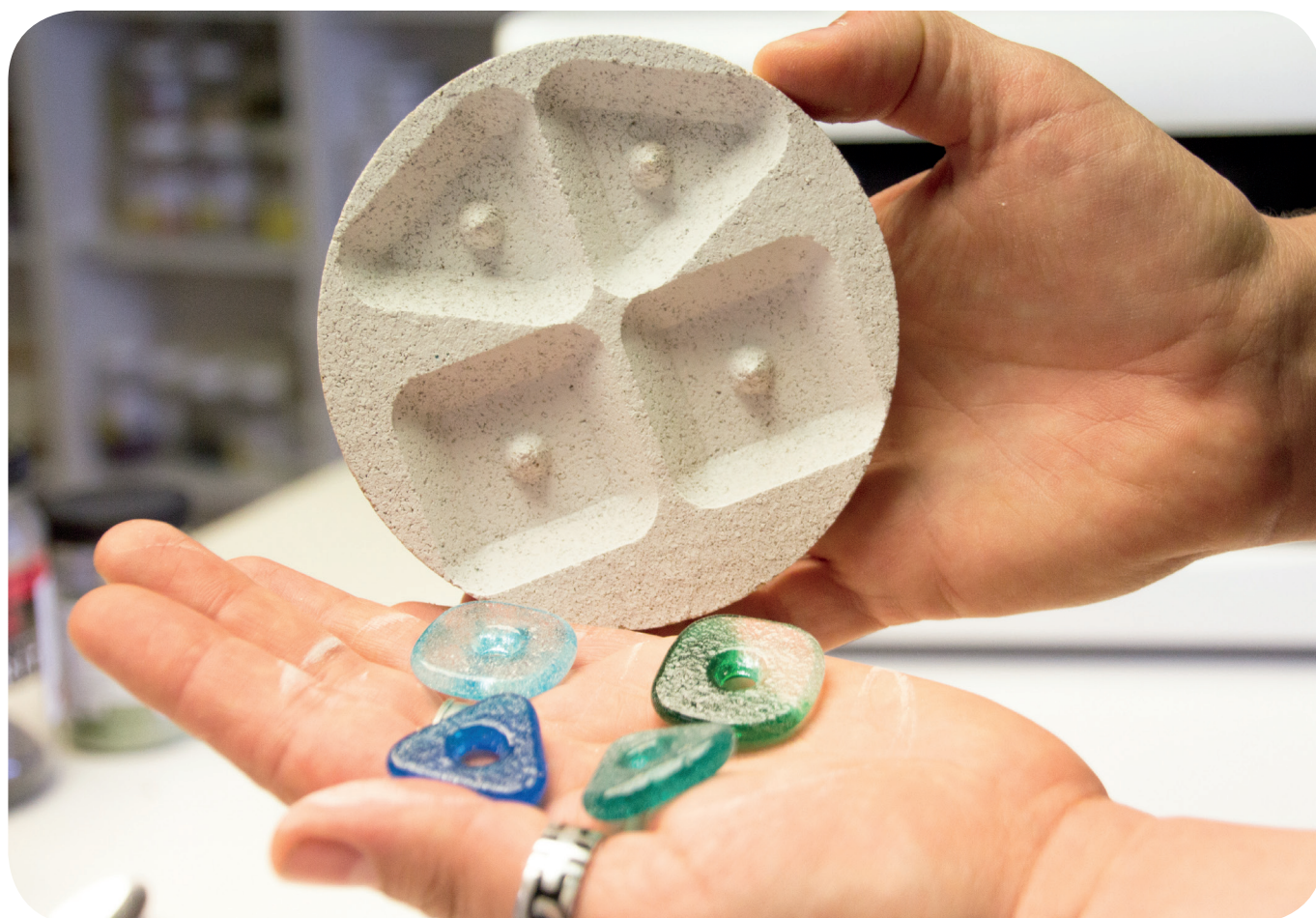




GLASS JEWELLERY FROM THE MICROWAVE



MATERIAL:

- Microwave Kiln, Hot Pot
- Casting Mold triangles and squares
- Casting Molds alphabet
- Boron-Nitride-Spray ZYP-MR-97
- Bullseye Frits, colours as desired:
 - BF 1408-01, 141g
 - BF 1417-01, 141g
 - BF 1116-01, 141g
 - BF 1464-01, 141g
 - BF 1101-01, 141g
- Heat- resistant gloves
- Small kiln shelf
- Fine dust respirator
- Microwave, wattage adjustable

- Art.No 3511002
- Art.No 3522909
- Art.No 3522900
- Art.No 3565102
- Art.No 3543037
- Art.No 3543040
- Art.No 3543014
- Art.No 3545664
- Art.No 3543025
- Art.No 3561100
- Art.No 3555102
- Art.No 3560720

STEP 1

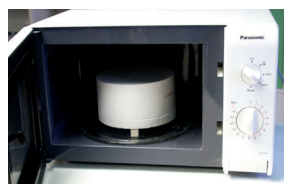
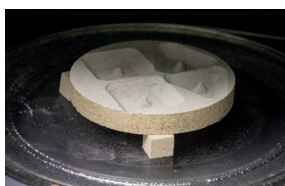
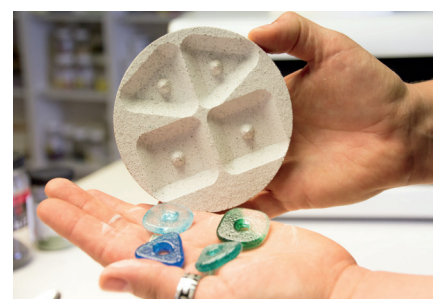
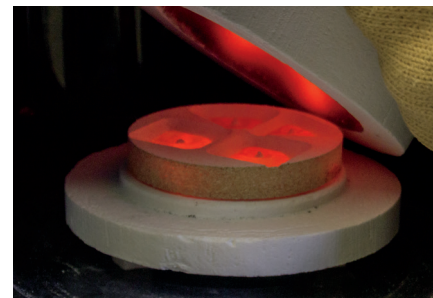
Place the microwave on a working table with enough space. The microwave and the kiln shelf should be placed beside each other. Take away all flammable materials. Place the heat-resistant gloves ready. If the microwave has a rotating plate, put it on shortly and observe how much the turntable „jers“ - if it is too strong, just take it out. The small blocks belonging to the Hot Pot are placed in the microwave with some distance. The Hot Pot is placed on them later on. Never place it directly on the floor of the microwave! (For further information on the microwave kiln, please have a look to the enclosed manual.)

STEP 2

Spray the casting mold with the Boron Nitride Spray. Place the mold in a small carton, the spray spreads heavily in the air. Please wear a fine dust respirator! You can dry the mold in the microwave (without kiln and glass) for 30 seconds at about 600-700 watts.

STEP 3

The microwave kiln should be pre-heated. Place the Hot Pot on the small blocks. Set to about 600 watts (depending on the model it can also be 700 watts) with a time of 10 minutes. The Hot Pot now slowly warms up. Observe the Hot Pot! In the lid is a small hole when this starts to glow the Hot Pot has about 700 ° C and is ready. Depending on wattage and setting it can need 5 minutes or even 10.





STEP 4

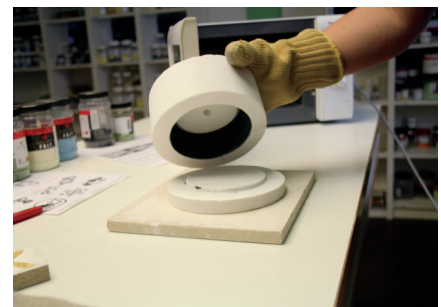
In the meantime, you can fill the casting mold. Always use fine frits, these are melting in the Hot Pot best. Fill the mold as desired. Overfill the form a little bit, there should be small hills, the edge area and the central elevations remain free.



STEP 5

Always take the Hot Pot with the heat-resistant gloves out of the microwave. The Hot Pot is getting very hot inside and outside! Place it to the kiln shelf. Gently lower the lid. Now place the casting mold centered on the base. Replace the lid and place the Hot Pot back in the microwave. Leave the setting at 700Watt.

The fusing time varies from color to color and microwave to microwave. Start with 5-10 minutes. Once you see that the hole in the lid starts to glow, interrupt the melting and gently lift the lid to see how far the glass has melted. If it is not enough, close the lid and continue heating. Then, check for a distance of about 1 minute how the glass is melting. If you melt the glass too long, shape and color can change, the glass is pulling together too much then.



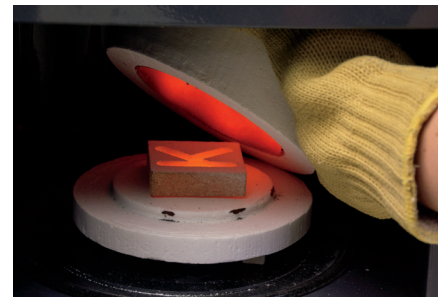
STEP 6

When the glass is completely melted, remove the Hot Pot from the microwave (do not forget the heat-resistant gloves!) and place it on the kiln shelf. Allow the jewelry to cool down in the Hot Pot. Depending on the ambient temperature and the shape / glass size, this can take up to 2 hours.

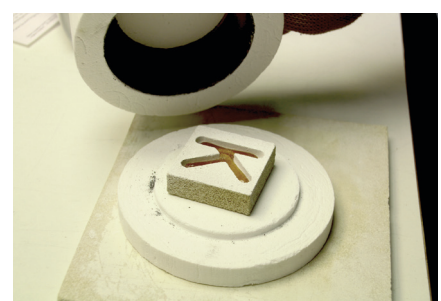


STEP 7

Now you can remove the jewelry from the mold. Turn the shape carefully, the objects should fall out easily. If not, tap the mold very gently on a soft surface. Do not knock too hard! The molds are sensitive and can easily break.



For next using clean the mold with a smooth brush and spray again with ZYP-MR-97.





TIPPS:

If you observe that the glass melts only on one side, turn the lid slightly. It may heat up unevenly, causing different melting points. This will be reduced by turning.

The colors melt differently. Make samples and write down the melting times of the colors. When you fill the jewelry form, choose colors with the same times to melt all the pieces.

If you have the letter molds, you can make whole words and sentences. In combination with the numbers you can also create house numbers and door signs by sticking the letters, or ...

... You can also place the pre-melted letters on a basic glass and fuse it with relief temperature in a large fusing kiln! All molds are suitable not only for the microwave kilns but also for the fusing kilns. Take a simple firing cycle:



- 60min – 500°C
- skip – 780°C
- 30min – 780°C
- skip – 520°C
- 60min – 520°C
- END

