



## Candle Molds (different sizes / customizable )



Squirtle

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## Summary

Candle Molds (different sizes / customizable )

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Produces two different sizes of candles. Molds should be resizable to your need (however not tested):

### **Small candle (80cm(h) x 40cm(d)):**

Material required: ca. 85 gr of wax, 14cm string (ca. d=1,8mm). Colors and scents are optional.

### **Big candle (100cm(h) x 70cm(d)):**

Material required: ca. 350 gr of wax, 16cm string (ca. d=2,0mm). Colors and scents are optional.

Generally if the string is too thick or too thinn the candle will burn too fast or too slow. Colors and scents were a bit trial-and-error to find the right mixture. Usually you find more information on the package instructions of the product.

Printed parts:

For both molds you need to print:

2x candle\_lock.stl

2x XXX\_candle.stl (1x with and 1x normal. Only difference is recess at the bottom to offer place for string. )

1x XXX\_candle\_top.stl

You can use the same candle\_lock.stl for the small and big mold. In my experience it did not matter for the final results as long as the side locking parts are locking the bottom of the molds.

Print everything in either PLA or PETG (does not really matter) and without supports. Layer height 0.2 or even 0.3.

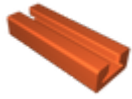
I am working on a mold with custom text support to engrave the candle. Will post as soon as possible when Im done. Also I am working on a mold for tealights. Will also post asap.

How to make candle:

1. Measure wax and heat up wax to 70-80 degree until it is fully liquid. Optionally add colors.
2. During heating, prepare the molds as shown in the images.
3. When wax is fully liquid, optionally add scents right before pouring wax (Stir 1-2 times).
4. Fill molds with wax. A little bit of liquid wax should remain. We will use that later.
5. Put molds in the fridge or a cold place.
6. Let the small candle sit for around 1 hour. The big candle for around 1.5-2 hours.
7. After that time, a crater should form while cooling down. Fill the crater with more liquid wax and let it cool down completely. Maybe check 1-2 times if another crater forms and fill up again.
8. Put the mold in the fridge overnight to fully cool down (the mold will be a little bit easier to remove)
9. Remove the locks and split open the mold.
10. If poured unevenly, make the bottom of the candle even with really sharp knife or any other cutting tool.

P.S: Fresh wax (candles) will burn down quicker compared to stored candles. To achieve a longer lasting candle, the candle should be stored for around one year in a cold place. They can be stored in the basement, a fridge or even in the freezer.

# Model files



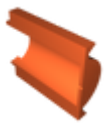
**candle\_lock.stl**

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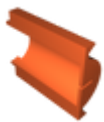
**small\_candle\_top.stl**

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**small\_candle.stl**

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**small\_candle\_with.stl**

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**big\_candle\_top.stl**

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**big\_candle.stl**

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**big\_candle\_with.stl**

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