# Slice Engineering Filament Drying Desiccant Instructions

Contents



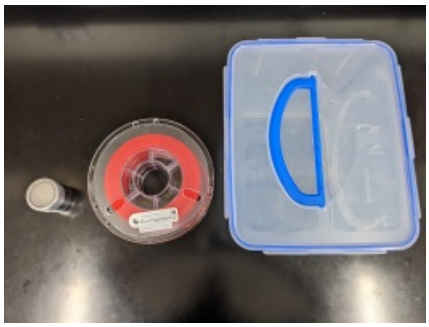
## Filament Drying Desiccant

### Slice Engineering

### Filament Drying Desiccant Usage Instructions

### Gather the materials you will need:

- the Filament Drying Desiccant canister
- a spool of filament that needs to be dried (spoiler alert, all spools need to be dried! Even many of the ones you just took out of the packaging)
- a storage container of some type, such as an airtight zip bag or a plastic container with a seal


Materials you will need

### Open the Filament Drying Desiccant canister

1. Locate the canister


https://support.sliceengineering.com/portal/en/kb/articles/filament-drying-desiccant-usage-instructions

2. Find the perforation in the shrink wrap

3. Remove the shrink wrap

4. Remove the plastic cap by twisting it in a clockwise direction

https://support.sliceengineering.com/portal/en/kb/articles/filament-drying-desiccant-usage-instructions

❗**Warning:** twisting the plastic cap in the counter clockwise direction will remove the metal lid as well as the plastic cap. You risk spilling little desiccant spheres all over the place. Ask us how we know…

### Using the Filament Drying Desiccant

1. Insert the canister into the center of a spool of filament

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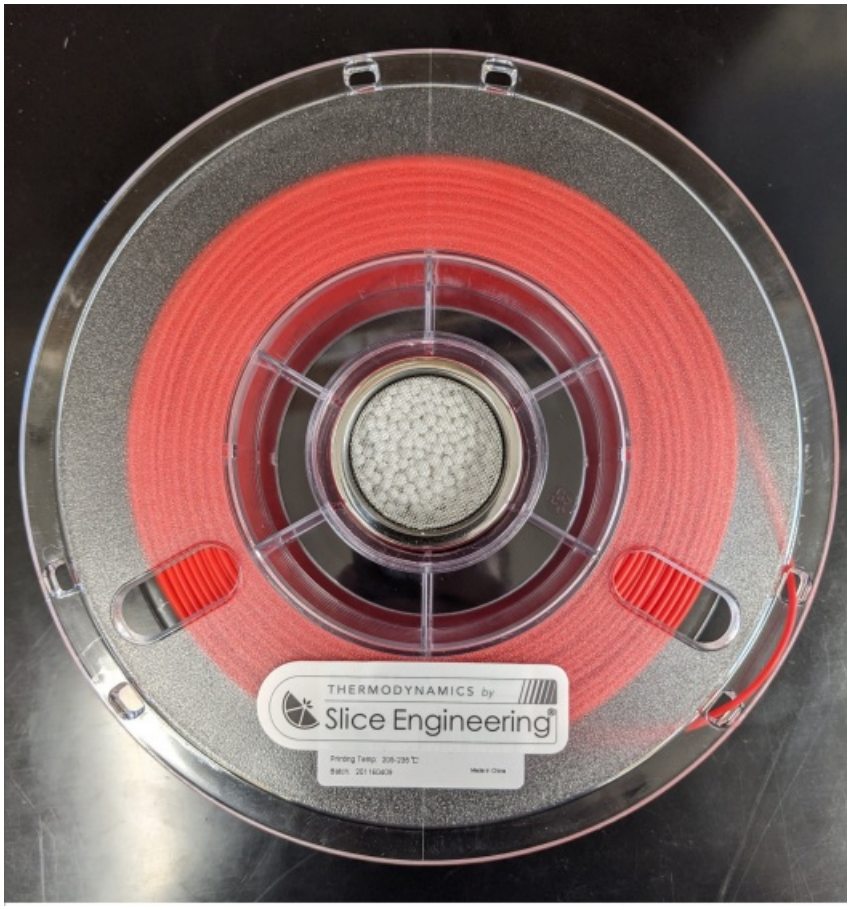
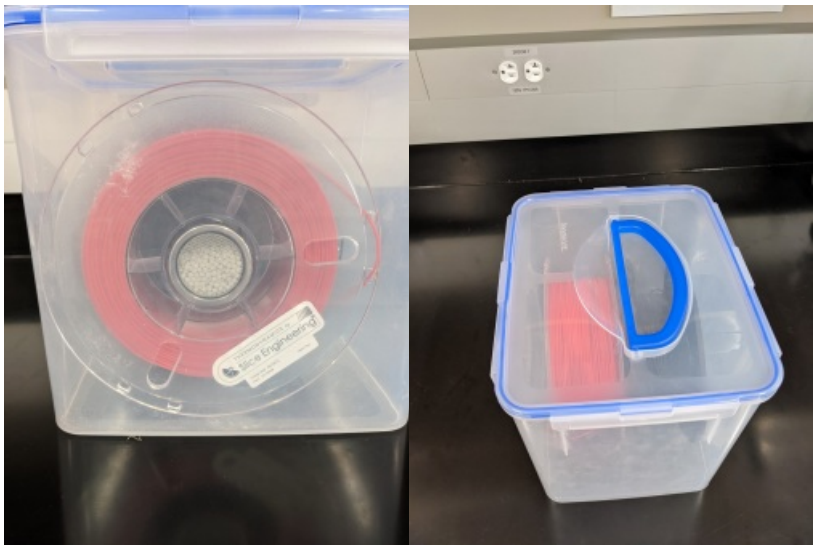



2. Store your filament in an airtight container such as a sealed zip bag or plastic container with a seal

**https://support.sliceengineering.com/portal/en/kb/articles/filament-drying-desiccant-usage-instructions**



3. Enjoy the nirvana that is printing with dry filament

ℹThe Filament Drying Desiccant will reduce relative humidity (RH%) to almost 0 in an air tight container over the course of approximately 6-10 hours. Please see the white paper on our website for more details.

⚠Many inexpensive hygrometers will only detect as low as 20% RH. To ensure appropriate detection of relative humidity in a sealed chamber consider purchasing a hygrometer with a low detection threshold.

## Recharging the desiccant

Desiccants work by absorbing moisture in their surroundings. The Filament Drying Desiccant is super good at this job, but even it will get saturated with water molecules eventually. To recharge it, simply toss the whole canister into an oven at 200 °C or more for 2 hours to remove the water.

https://support.sliceengineering.com/portal/en/kb/articles/filament-drying-desiccant-usage-instructions

## Documents / Resources

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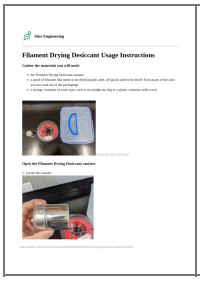
|  | Slice Engineering Filament Drying Desiccant [pdf] Instructions<br>Filament Drying Desiccant, Filament, Drying Desiccant, Desiccant |

## References

- support.sliceengineering.com/portal/en/kb/articles/filament-drying-desiccant-usage-instructions
- 3D Printer Filament Drying Desiccant | Slice Engineering