### Purging, Part Removal, and Bed Preparation Guide

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Note: When changing filament types, the previous filament must be purged from the hotend to prevent a clogged nozzle or failed print. Set the hotend to a temperature that splits the difference between the two filaments' extruding temperatures, load the new filament, and extrude several times until the previous filament is flushed from the nozzle.

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**Which filament type should I use for my project?**

**ABS - Acrylonitrile Butadiene Styrene**
- Used to make anything from musical instruments to automotive components.
- Adheres well, allowing for high printing speeds.
- Easy to use, resists high temperatures. Very strong filament.

**PLA - Polyactic Acid**
- Derived from renewable resources, like plant-based starches.
- Adheres well, allowing for high printing speeds.
- Susceptible to heat and is not ideal for a high temperature environment, such as long term outdoor use.

**Conductive PLA**
- Susceptible to heat and is not ideal for a high temperature environment, such as long term outdoor use.
- Useful for low-voltage printed-in-place applications such as contacts, switches, and internal wiring traces.
- Can interact with some touch sensors and touch screens.

**Magnetic PLA**
- Susceptible to heat and is not ideal for a high temperature environment, such as long term outdoor use.
- Useful for sculptures and busts, architectural details and models.
- Iron-bearing filament is attractive to magnetic fields.
- Can be post-processed to accelerate the iron oxidation process for a rusted appearance.