PDMS Vacuum Oven

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Safety
- Oven can heat up to high temperature.

Process Restrictions
Material Restrictions
- Only use with plastics that can withstand temperatures up to 60°C.

Parameter Restrictions
- After applying a vacuum, vent the chamber before opening the door to prevent damage to the seal.
- Vent slowly if liquid samples are inside the vacuum chamber.

Scheduling / Sign-up Restrictions
- None

Requirements (Do Every Time)
- Log onto the tool usage sheet and provide contact information for if there is a problem with your sample.
- Log the amount of PDMS used, if applicable.
- Mix and cure any unused PDMS base or curing agent before disposing.

Prohibitions (Never Do)
- Do not heat the oven past 60 °C.
- Do not use plastics that can not withstand the temperature.
- Do not leave the oven under a vacuum when not in use.
- Do not leave the oven heating and unattended between 6 PM - 8 AM.
- Do not dispose of uncured base or curing agent.

Common Problems

| Problem: Oven does not reach temperature | Root Cause: Using the dial gauge which is not accurate. | Solution: Tune the oven to the desired temperature using the internal thermometer. Equilibrate the oven for at least 30 minutes. |

Other Comments or Cautions