

# Making Molds

## Materials:

- Mold Max 40 Part A
- Mold Max 40 Part B
- Vacuum pump with chamber
- Walls (3D print these)
- Measuring cups (measure 100A:100B)

## Procedure:

- 3D print walls or make enclosure
- Measure out part A : part B
- Stir thoroughly and pour into vacuum chamber
- Turn vacuum on for 3 minutes
- Pour into mold
- Cure time: 1 day
- Remove mold

★ Platinum cured silicone doesn't cure if using tin cured silicone mold

- Read technical bulletin to determine chemical interactions

To prevent cure inhibition for platinum-cure silicones:

- 1) Run resin mold through IPA<sub>1</sub>, IPA<sub>2</sub>, and Greenwash (single green)
- 2) Let dry and clean off any remaining residue
- 3) Coat mold with PMMA (acrylic lacquer)
- 4) Cure print with UV while submerged in water for 30 min
- 6) Soak in water for 6 hours
- 7) Dry off and repeat step 6 1-3 more times
- 8) Coat with mold release (Easy Release 200)