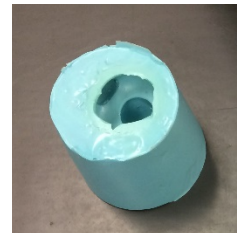


Mold Making with Silicone

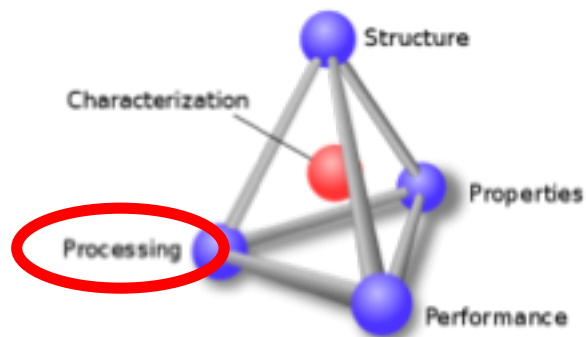
You Will Be Able To:

- 1) Explain how molds are made for complex objects.
- 2) Create a silicone mold using two liquid polymers.



Pre-lab Questions:

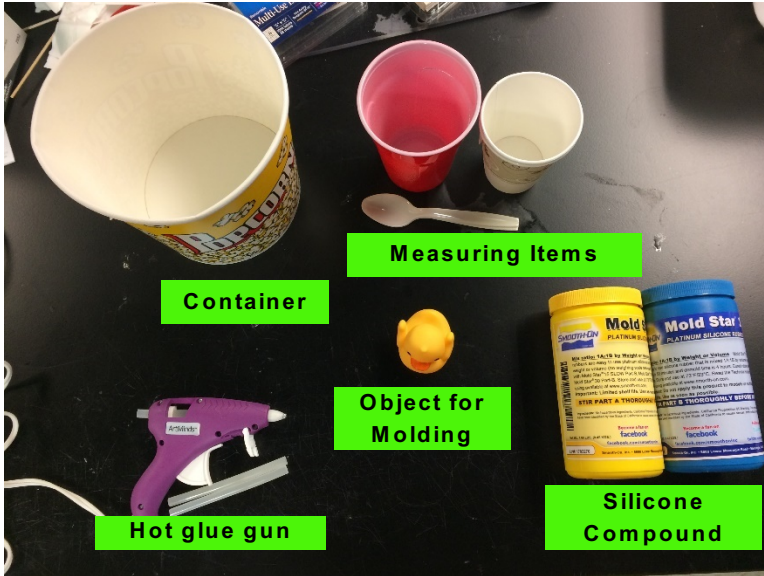
- 1) Making silicone molds fits into the processing category. Please explain why it fits in processing.



- 2) How does temperature of the room affect the time it takes for a mold to solidify?

Mold Making with Silicone

What you need:



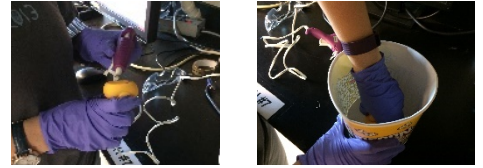
Safety note:

Chemicals used in this lab are toxic. Please remember to wear safety gear (glasses and gloves)!

Choosing a mold:

Choose an object to make a mold from. Why did you choose the object you did?

Once chosen, tape your object to the bottom of the Tupperware container

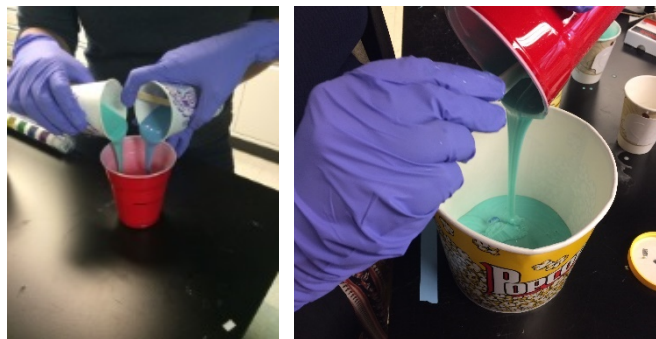


Concept check: How mixed is mixed enough?

What would happen if Polymer A and Polymer B were only slightly mixed?
How could you tell if they are mixed enough?

Discuss with your neighbors. When ready, call a TA/Instructor over and explain your answer to get the second polymer and your mixing spoon.

Mix and pour your polymers:



What interesting observations did you notice while mixing/pouring?