

## **Sample Preparation for Extrusion Rate**

### Filling a Semco Tube for Extrusion Rate Testing

1. Prepare 100 grams, minimum, of material. De-air the material thoroughly using centrifuge.
2. Place screw cap on Semco tube and secure tube with the cap-end pointing down.
3. Fill tube from bottom up with material, taking care not to introduce air pockets.
4. When no more material can fit, centrifuge the tube with cap-end down for 10 minutes or until the material has settled.
5. If necessary, repeat until tube is full. Ensure that there is approximately 1 inch of empty space in the top end of the tube.
6. Place the plunger in the open end of the tube. Using the thin end of the microspatula push plunger to deepest depth allowed by the material while ensuring that the air trapped beneath the plunger can escape.