

Student Lab Sheet for the Polymer Injection Molding Activity

Purpose: to simulate the industrial process of injection molding

Safety Notes:

The glue guns should be closely supervised. Kept hands away from the hot glue.

Materials:

One hot glue gun
Glue sticks
One Play-Doh® Fun Factory®
Vegetable spray
Small wires

Procedure:

1. Spray the Fun Factory® molds with vegetable oil so that the cooled shapes can be easily released from the molds.
2. Fill the mold with hot glue from the glue gun.
3. Place an oiled wire upright in the mold as the glue cools will produce a small hole in the item when the injected shape is removed. Placing a small loop of jewelry wire in the mold as the glue cools produces a permanent hook or loop.