

## Friendly Plastic Technical Information Sheet

Friendly Plastic is a non-toxic plastic modeling material which softens quickly and can be formed into almost any shape by using your hands. Simply heat Friendly Plastic and let your imagination run wild! No special tools are required. It cools and becomes very strong in just 10 minutes but can be re-softened for design changes.

Required Materials	Optional Materials
<ul style="list-style-type: none"><li>• Hot Water (heated in electric skillet or on stove top)</li><li>• Heat resistant, non-aluminum bowl</li><li>• Non-stick work surface (Formica or tile countertop)</li><li>• Cold Water</li><li>• Cooking Oil</li><li>• Craft Stick</li></ul>	<ul style="list-style-type: none"><li>• Paper towels</li><li>• Fabric</li><li>• Adhesives</li><li>• Beads, sequins, rhinestones, feathers, paint and brushes</li><li>• Jewelry accessories</li></ul>

### Instructions:

*Step 1.* Heat water in electric skillet until temperature reaches 140°F (60°C) to 150°F (66°C) for about five minutes. Set control to 150°F (66°F) or less. Most electric skillets have a low/simmer setting. Test temperature with cooking thermometer. Add one or two drops of cooking oil to water to prevent sticking.

*Step 2.* Pour plastic pellets into the water. Let set in water about 30 seconds 150°F (66°F) to 60 seconds 140°F (60°F) until transparent. Pellets will stick together. Wet hands and remove pellets from water with craft sticks.

*Step 3.* Shape with your hands or press into a mold. Pellets will be warm but not too hot to handle.

*Step 4.* When the desired shape is formed, place in cold water to set for about three to five minutes. Plastic will become opaque. If piece hardens before desired shape is formed, place back in hot water until pliable. Flatten leftover plastic for quick and easy re-softening. Repeat these steps for each piece to be sculpted. For solid bonding of two pieces, heat both pieces in hot water until tacky then press firmly together. Place in cold water to reset. TIP: To make larger forms, start with the basic shape, soften additional pellets to make additional pieces and attach to basic shape by heating both surfaces until tacky then press firmly together.

*Step 5.* Plastic can be colored with acrylic paint, model paint, spray paint, permanent markers or acrylic enamel paint markers. To protect painted surface, use Krylon Clear coat as a protective sealant. Experiment by heating the surface and pressing in glitter, magnets, buttons, rhinestones, feathers or smaller bits of plastic to add finishing touches.

**NOTE:** The above results can be also be achieved by heating water on the stove, pouring it into a heat-resistant, non-aluminum bowl and following the instructions beginning with step 2 above. As water cools, replenish with additional 140°F (60°C) to 150°F (60°C) water.

**CAUTION:** Supervise use by small children. Warm Friendly Plastic will stick to fingernail polish, Acrylic fingernails, aluminum, Styrofoam, PVC and certain other plastics. Pieces made with Friendly Plastic will soften or melt when exposed to direct sunlight or other similar heat sources.