Step 1. Embed the model into the granules and thermoform the Erkoflex 2mm disc.

Step 2. Allow the disc to cool completely, then remove from model. Use the special scissors to trim.

Step 3. Embed the model with the 2mm layer into the granule and completely de-grease both layers.

Step 4. With multicolored discs, ensure the disc and model are aligned correctly, then thermoform.

Step 5. Cut out the mouthguard using the special scissors. Expose the areas around the frenums.

Step 6. Remove excess material and taper the edges using a crosscut carbide bur.

Step 7. Smooth the edges with the Lisko-S polishing disc using light pressure.

Step 8. Polish the mouthguard with a hot air burner or torch flame.

Sports Mouthguard Technique

Step 1. Embed the master dies firmly into the form pot and leave the margins exposed about 2mm above the steel granules.

Step 2. Place the 0.5mm Erkodur sheet into the disc frame and position the model pot for heating and pressure thermoforming.

Step 3. Allow the Erkodur disc to cool completely, then remove from the model pot to rough-cut copings about .5mm from margins.

Step 4. Reseat the thermoformed coping onto the master die and contour the margins and emergence profile using a wax pen.

Step 5. After spruing, investing, burnout, and casting, the net-shaped copings are cut off the button and finished.

Step 6. Thermoformed copings provide a consistent thickness of 0.3mm, optimizing space needed for esthetic ceramic results.

Thermoformed Copings Technique