



# “YOU SUPPLY THE TALENT... WE’LL SUPPLY THE REST!” THE COMPLEAT SCULPTOR

## Resilpom Putty Resilpom™ Information Sheet

A carefully guarded secret of Italian mold-makers for fifteen years, this silicone-based putty is hand sculpted instead of poured, will reduce your mold-making time by 50%, eliminate waste, and enable you to capture incredibly fine detail with molds that are far lighter than anything you can produce now. It is now available in the United States exclusively through The Compleat Sculptor, Inc. Resilpom™ is a two-component, room-temperature, condensation-curing silicone compound. Beginning as a pasty mass, once cured, it becomes a strong molding compound with good mechanical properties and considerable dimensional stability.

This material is ideal for vertical surfaces due to its pasta-like nature. Resilpom™ can be applied directly to the model, removed easily and cast in one day. Resilpom™ has already been used to reproduce sensitive pieces in the antique and archeological industries. The variety of materials that can be cast into Resilpom™ is large, including but not limited to Gypsum, Polyurethane Resin, Wax, Cement, Epoxy Resin, Forton MG, other rubbers and low temperature metals.

**Directions:** IMPORTANT. Please read the technical bulletin and product information sheets before using this product.

**Mix Resilpom™** (buff colored) with either the fast catalyst (red) in a 50:1 ratio by weight (98% base to 2% catalyst) or the regular catalyst (yellow) in a 19:1 ratio by weight (95% base to 5% catalyst). Mix small quantities to avoid waste from pre-polymerization. Proper mixing has occurred when the color is uniform.

Proper preparation of the model is also necessary for a good mold. After cleaning the model, apply a coat of brush-on tin-based silicone to capture the finest details, and, before the painted-on rubber is dry, apply the catalyzed Resilpom™ directly to the undercoat. TCS, Inc. has performed tests with several different undercoat rubbers. So far, we have obtained the best results with the 70 series from Polytek™ and the 64 series from Smooth-On™.

After the Resilpom™ has been applied to the undercoat, the keys and separator lines may be attached to the Resilpom using the fast catalyst. Once the material has cured (fast catalyst--15 minutes / regular catalyst--1 hour), build the mother mold around the rubber-coated model. Demolding can begin as soon as the mother mold is completed.

*If at any time you have a question or comment Please contact Customer Service @ 1-212-367-7561.*

### **Mold Usage -**

Because molds made with Resilpom™ are so much lighter and smaller than conventional molds, they can be handled by a single individual rather than the usual two or three. Like all silicones, when Resilpom™ is first applied, the surface exudes silicone oils. This is actually advantageous for the first few castings but is exhausted in the process, and should be replenished throughout the life of the mold by using a release agent. This will lengthen the life of the mold as well as the quality of the casts for high volume. (This primarily applies to resins.) If you plan on casting a silicone into this material, a wax release agent should be used to prevent it from sticking.

### **Mold Storage -**

The lifetime of the mold can be prolonged by proper storage—a wax or plaster positive can be kept in the mold to maintain its shape in most weather conditions. The strength and integrity of the rubber and mother mold allow easy stacking and storage of the Resilpom™ molds.

Resilpom™ is intended for Industrial Use Only--Not for drug or medicinal devices. Keep out of Children’s Reach.

Caution: Handled properly, this product is non-hazardous. Avoid eye contact.

Use Resilpom™ in an adequately ventilated area. Although Resilpom™ is non-volatile at room temperature, it is not supposed to be heated. First aid measures consist of flushing with water and seeking medical attention. Hazards: Ingestion, Skin Contact, Inhalation: None Found Eye Contact: Lightly Irritant

Contents: Dimethylpolisiloxane, mineral fillers, Hydroxy-dimethylpolisiloxane No dangerous components--CAS N° EINECS all components are included

Disclaimer: These data are offered in good faith as typical values and not as product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations within the specific context of their use.