

SILPAK, Inc

470 E. BONITA AVE. POMONA, CA 91767
PH (909) 625-0056 WWW.SILPAK.COM FX (909) 625-0082

Clear RTV Liquid SILPUTTY 10 Product Data Sheet

SILPUTTY-10 Platinum, 1-1 mix, rapid curing, pourable silicone RTV with excellent stretch, high flexibility, and skin-like softness for making highly flexible molds or parts where RTV clarity is required. Use for prosthetic appliances and for high stretch skin applications. SILPUTTY-10 is easily colored with silicone pigments. Adjust softness by adding **F-100** Softening agent.
Available Sizes: Pint Kit (2 lb), ½ Gal Kit (10 lbs), Gal Kit (18 lb), 5 Gal Kit (100 lbs)

Accessories

- Colorants: *FX Flocking Fiber* or *Silicone Pigments*
- Adhesive: *MA-200* Silicone Appliance Adhesive

Mix & Cure Instructions

This product is designed to be mixed in the ratio of 1 part by weight of cross-linker to 1 part by weight of base, but visual estimation of proportions is usually sufficient. Measure out the desired quantities of respective components and blend thoroughly. A second mix with another container is suggested to ensure a uniform mix. If bubble free rubber is required, a fast vacuuming could work, but pressure casting is better suited because of fast gel time. Summer or winter temperatures will affect cure and gel times. **Heat from hair dryer can be used to accelerate cure.** Requirement for cure are dependent on the particular application and should be determined by the user. *This is a Platinum Base System and certain materials will cause contamination, resulting in a gummy or sticky surface—Latex Gloves, Tin RTV and Sulfur Clay are some of the common contaminants that should be avoided. See Addition Cure Tech Sheet for additional information.*

Consistency, Mixed	Pourable Liquid
Gel Time	10 min
Cure Time	60 min
Color, Mixed	Translucent-Clear
Durometer, Shore A	10
Viscosity, cps	5,000
Mix Ratio	1 Part A : 1 Part B
Specific Gravity	1.15
Tensile Strength, psi	250
Elongation	600%
Tear Strength, ppi	40
Service Temp, C	-60 to 200 C

**Values listed are typical and not intended for use in specifications.
Test methods are available on request.

Cure Inhibition:

Certain materials will cause inhibition or neutralization of the curing agent. These materials are sulfur containing organo-metallic salt containing compounds found in organic rubbers, many Tin RTVs (Condensation cure), chloride solvents, and epoxy- amines. Inhibition may easily be determined by brushing a small quantity of material over a localized area of the surface to be reproduced. If the material is gummy or uncured after the curing time, then contacting surface is acting as an inhibitor.

STORAGE/SHELF LIFE:

A and B components must be stored in their original, unopened containers at temperatures between 60-90F. Shelf life of materials when kept in unopened, sealed containers, at the recommended storage conditions, is 6 months.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST APPLICATION, AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.