

SILPAK, Inc

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

Clear Tin RTV Rubber

R-1220 A/B

Product Data Sheet

R-1220 A/B Tin Base (Condensation Cure), two-component, room temperature cure (RTV) silicone rubber developed specifically for its clarity. This unique system provides clear, semi-durable rubber used for custom molds and parts in the entertainment and special effects industries. R-1220's low viscosity offers easier mixing and pouring. Parts can be tinted with small amounts of Silicone pigments. *** Use in place of R-1120 Rubber Glass for more tear resistant parts.*

Product Features:

- Clear Tin RTV for Molding or Part Applications
- Good Tear Strength
- Easily Colored with Silicone Pigments

PHYSICAL PROPERTIES (TYPICAL VALUES) UNVULCANIZED

Color: Translucent/Clear- A / Clear-B
Viscosity @ 77F: 30,000 cps, mixed
Shelf Life: 3 months in a closed container

TYPICAL PROPERTIES OF CURED RUBBER

Specific Gravity: 1.06
Hardness: 25 A Shore
Tensile Strength: 392 psi
Elongation at Break %: 455
Tear Resistance: 51 pli

MIXING & CURING INSTRUCTIONS:

Process part A by adding the curing agent B. Part B should be shaken prior to use. The addition of 10% catalyst (by weight) has a pot life of usually 35 minutes—*Pot Life will vary due to environmental conditions (ambient temperature and relative humidity) and a small test amount will determine work time.* Since material is clear, a double mix—mixing in one container then transferring to another and re-mixing—is recommended to ensure a thorough mix. Pressure Casting may be used to assure bubble release and clarity. After the mold (or part) has been removed from the master, it should be left for 24 hours in order to develop its maximum mechanical strength.

Note: R-1220-A may increase in viscosity (with time) and should be power mixed to reduce viscosity for processing. Please contact your Silpak for assistance in your application of R-1220 A/B. This material can dry differently from summer to winter. Accelerated cures not recommended, but where needed use rapid set 4 drops to 12 drops per pound.

Fast Cure

Accelerated cures not recommended. But where needed, add **Rapid Set Additive** at time of mix at 4 to 12 drops per pound of RTV for 1 to 6 hour cure time. Note: The addition of Rapid Set accelerator will shorten storage shelf life rubber.

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 3 months.

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