

SILPAK R-1120 A/B

Crystal Clear Rubber Glass

R-1120 A/B is a Tin Base (Condensation Cure), two-component, room temperature cure (RTV) silicone rubber.

Features

- Low viscosity for ease of pouring
- Low tear strength for easier rubber glass effects
- Crystal clear

Applications

This system was specifically formulated for applications where optical clarity is required. It is used for potting, encapsulation, special effects, i.e. fake ice and glass, and any application for crystal clarity is needed. Once cured, silicone can be easily processed for making broken or shattered rubber glass effects. *Add Silicone Pigments to create custom-colored parts.*

Physical Properties (Typical Values)

Unvulcanized

Property	Value
Color	Clear, Transparent
Viscosity @77°F, cps	10,000, mixed
Shelf Life	6 months

Cured Rubber

Property	Value
Specific Gravity	1.01
Hardness, A Shore	20
Pot Life	15 Minutes
Cure Time	1 day under 1" thick, up to 5 days depending on greater thickness

Mixing and Curing

R-1120 A is processed 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 15 minutes*. Since material is clear, a double mix – mixing in one container, then transferring to another and remixing – is recommended to ensure a thorough mix. Pot life will vary due to environmental changes. A pre-test of a small amount will determine work time, usually 15 minutes. Pressure pot may be used to assure bubble release and clarity. *Large sections over 1" thick could take up to 3-5 days to properly dry. Please contact your Silpak technician for assistance in your application of R-1120 A/B. This material can dry differently from summer to winter. Accelerated cures not recommended.

Storage and Shelf Life

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



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