



## EAGLE SEAL RTV SILICONE RUBBER MOLDING SYSTEMS

### RTV 1130



#### PRODUCT DESCRIPTION

Condensation tin cure molding RTV silicone rubber, tin-based silicone, also called condensation-cure silicone, are two-component materials which cure at room temperature the Eagle Seal RTV 1130 Silicon Mold making systems are flexible, high tear-strength rubbers. Tin cured silicone can be poured onto models or they can be made brush-able by adding a Thixotropic additive. They are ideal for molds where easy release or high temperature resistance is required.

#### CHARACTERISTICS

- 1) Compare to the common silicone rubber, the Eagle Seal RTV 1130 has good abrasion resistance, good duplication times and long life
- 2) Eagle Seal RTV 1130 has a Good physical performance, high tensile strength and tear strength
- 3) Eagle Seal RTV 1130 Cured in room temperature, low viscosity and good fluidity, easy to pump the vacuum
- 4) Eagle Seal RTV 1130 has a Lower shrinkage and precise mold after curing



## APPLICATIONS

Plaster crafts Eagle Seal RTV 1130 Silicon Rubber is a two-component Eagle Seal RTV 1130 Silicon Rubber, Mainly used for the duplication of resin crafts, plaster crafts, candle crafts, POLI crafts, cultural stoner gypsum line, and GRC architectural decoration and figure duplication. Condensation Cure Mold Making Eagle Seal RTV 1130 Silicone Rubbers can be poured or brush onto products for casting polyurethane, epoxy, polyester resin, Gypsum/plaster, Cement, Waxes, Low melt alloys/metals, etc.

## FEATURES

- Middle Shore A hardness (approx.30)
- Excellent tear strength
- High elongation and flexibility
- Little rate of deformation and shrinkage
- High temperature resist, high tear resist

## INSTRUCTIONS

- 1) Make a frame , then put the mold on the bottom and fasten it
- 2) Pouring 1000 Grams of Eagle Seal RTV 1130 Silicon Rubber then add only 3% [30 grams] of curing agent into the container then stirring evenly at room temperature with slow ramp per minutes electrical paddle mixing example [slow RPM drill machine].
- 3) Put the mixture into the vacuum machine about 5-10 minutes to eliminate the bubbles
- 4) Pouring the mixture into the frame slowly in one corner to avoid air bubbles
- 5) Remove the frame after the Eagle Seal RTV 1130 Silicon Rubber cured

## NOTE

- 1) The amount of curing agent is determined on the temperature, reduce the usage when the temperature is high. If the curing agent used in excess, the mold will become fragile; curing agent using too little, the operation time will be extended.
- 2) It is not recommended to add the silicone oil to prevent the deformation of the mold.
- 3) When the Silicone mold not in use just, put a gypsum product into the mold to ensure the mold with no deformation and to control the shrinkage of the product.
- 4) In the process of plaster mold making, it is easy to leave gypsum powder in the mold, cleaning it timely can effectively improve the quality of the product and the duplicate times.
- 5) After adding the peroxide curing agent in the unsaturated resins and resin products, it will release a lot of heat. Generally, the curing time of the resin is 3 minutes, de-mold as soon as possible to prevent the phenomenon of burning mold.



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