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Latex-Acrylic Casting Rubber RL- 561

Product Data Sheet

RL- 561 is a one-part, formulated as a low viscosity casting latex used to produce firm rubber products. Doll heads, props, and thin, slightly flexible parts are created by slush casting in plaster molds. Part thickness can easily be controlled by increasing or decreasing soak times. Fill plaster with solution, cover, let stand 1 hour to build thickness of 1/16". RL-561 will reproduce detail but has a slight shrink rate. Parts can either be painted with water/acrylic paints or colored with latex pigments.

Available Sizes: Pint & Quart, Gallon & 5 Gallon

TYPICAL PROPERTIES OF CURED RUBBER

Durometer:	70 Shore A
Latex Solids:	52%
Color:	Off White

Accessories

- Pigments Red, Blue, Yellow, Black, White
- RL-Thinner Add to adjust latex thickness—Better than adding just distilled water!!
- Urethane Foam Flexible or Rigid for back fill
- Hydrocal White Plaster for slush cast molds

Processing & Curing Instructions:

Latex container should be shaken or properly stirred prior to use. Slush casting with RL 561 requires a mold made from dry, unsealed plaster like *Hydrocal White*. After mold is made, oven dry mold at 150F for several hours (this will give plaster mold the best water absorption ability). Allow mold to cool, then fill mold cavity up with latex--re-seal the container to avoid evaporation and thin skin build-up from exposure to air. RL-561 will thicken against mold surface as plaster absorbs water. Allow compound filled mold to sit 1-2 hours, depending on desired thickness, before pouring excess latex material back into container. Latex is then allowed to dry in mold for 24-36 hours at room temperature. Accelerated cure can be achieved by oven drying at 200-240F for 1 hour. Remove material and repeat process. Molds may need to be oven dried after a given amount of pieces, which will be noticed as parts become thinner as mold loses its absorption ability.

Using Latex:

Parts can either be painted with water/acrylic paints or colored with latex pigments. Keep cured, unfinished latex parts out of direct sunlight. Avoid contact with copper containing metals, oils or solvents.

Storage/Shelf Life:

Store liquid material in cool, dry area out of direct sunlight, in tightly sealed containers, above 60F. Use within 6months. **Do not allow liquid material to freeze which will damage latex causing irreversible coagulation.**

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