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## Second Skin

**Second Skin** is a two component room temperature cured, 1:1 mix ratio, addition reaction silicone rubber for mold making, prosthetics, or special effects. It offers a low durometer, (Shore A:9), along with high elongation, tensile and tear strengths making it a great choice for glove molds or animatronics. **Second Skin's** translucency makes it easily colored with a silicone dispersed pigment to meet your specifications.

### Physical Properties

Color, base	Translucent
Color, activator	Colorless
Mixed viscosity	15,000
Working Time (hours:minutes)	0:45-1:00
Cure Time (hours:minutes)	4:00
Shore A Hardness	9 +/- 3
Tear Resistance (ppi)	74 +/- 5
Tensile Resistance (psi)	345 +/- 25
Elongation (%)	800 +/- 50
Shrinkage (%)	Nil
Coverage (in <sup>3</sup> /lb)	25.6
Shelf Life (months)	6

### Mixing Instructions

**Second Skin** is mixed one part base and one part activator by weight. Deviations from this ratio will cause changes in the physical properties. Choose a container with a volume that is two to three times greater than that of the rubber. Weigh the components carefully and mix thoroughly. Scrape the sides and bottom of the container to insure that there is no unmixed portion. Place the container in a vacuum chamber and deaerate at 28 to 29 inches of mercury vacuum until the mass of rubber rises and then collapses.

## **Cure Sensitivity**

**Second Skin** may have its cure inhibited at the interface between the mold and master. Models that have come in contact with tin catalyzed rubbers may show cure inhibition at the face of the mold. This can usually be prevented by thoroughly cleaning the model with naphtha or methylene chloride, releasing and checking the area by brushing on a small amount of catalyzed **Second Skin**. After twenty-four hours this film must be cured and non sticky. In the event that the contamination still exists, the model should be cleaned again and a thin film of acrylic or nitrocellulose lacquer or base coat should be applied. This should serve as a barrier coat and allow a completely cured mold to be prepared. Other substrates such as clays containing sulfur, amine or tin contaminated materials will cause surface inhibition and in all cases a test should be run as outlined above to determine compatibility.

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