



## Silicones, Inc.

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## Product Information

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### XT-587

Specialty, condensation reacted, translucent skin silicone where maximum physical properties are required. It was developed to be used as a "lay-up" type silicone for animatronics.

#### Mixing Directions

Mix 10 parts by weight of XT-587 base with 1 part by weight of XT-587 activator in a container that will hold about four times the volume of the rubber being mixed. Stir thoroughly either by hand or by mechanical means. Since both base and activator are nearly colorless, care must be taken to insure that they are completely blended before deaeration. Immediately after mixing, place the container in a vacuum chamber capable of 28 inches of mercury vacuum. The rubber will expand to triple or quadruple its original volume as it is being deaired. After the rubber collapses, maintain the vacuum for an additional two minutes and release. Carefully pour the catalyzed silicone rubber over the released pattern.

#### Typical Properties

Color, base	translucent
Color, activator	translucent
Base viscosity (cps)	75,000
Activator viscosity (cps)	350
Working time (hours)	$\frac{3}{4}$ to 1
Cure time (hours)	16-18
Specific Gravity	1.10
Shore A hardness	
1 day	11
7 day	16
Tear resistance (ppi)	110 +/- 15
Tensile strength (psi)	340 +/- 25
Elongation (%)	575 +/- 50
Shrinkage (%)	0.1

*The information contained in this product information sheet is based on sources believed to be accurate. It is offered in good faith, but without guarantee since the conditions of use are beyond our control. All risks of use are assumed by the user.*