



Silicones, Inc.

P.O. Box 363
High Point, NC 27261
Tel: 336-886-5018
Fax: 336-886-7122
www.silicones-inc.com

RTV-2 Silicones Since 1974

Product Information

Preliminary Information Bulletin XT-551

Description: XT-551, is a *rapidly curing* tin-catalyzed RTV-2 silicone rubbers. It offers a working time of one hour, a demold time of 4 hours and are virtually cured in 8 hours at 70°F / 50% Relative Humidity. The rapid cure allows two pours in one day. This product cures with very low shrinkage and has an outstanding *library life*. It also has a relatively high modulus making it an excellent choice for prototyping.

Mixing Directions: Mix **100 parts** by weight of the **Base** with **10 parts** by weight of the **Activator** in a container that will hold 2 to 3 times the volume of the rubber. Thoroughly mix and then deaerate in a vacuum chamber capable of 28 inches of mercury vacuum. The material will expand and then collapse. Maintain the vacuum for an additional minute and then remove.

XT-551A is very sensitive to temperature and humidity - higher temperatures and/or higher humidity will cause this product to cure more rapidly, while lower temperatures and/or lower humidity will cause this product to cure more slowly.)

Typical Properties	XT-551
Viscosity of Base (cps):	50,000 to 70,000
Mixed Viscosity	25,000 to 35,000
Appearance:	White
Specific Gravity:	1.09
Shelf Life:	6 months

When cured with 10% Activator (@ 70°F / 50% Relative Humidity)

Working Time	60 to 90 mins
Demold Time	4 hours
Shore A Hardness	
After 4 Hours	6 - 10
After 6 Hours	25 - 30
After 8 Hours	30 - 35
After 24 Hours	30 - 35
After 3 Days	32 - 35
After 7 Days	32 - 35
Tear Resistance (ppi)	100 ± 20
Tensile Strength (psi)	450 ± 50
% Elongation	400 ± 50

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.