



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

Library Life

Library Life, a phrase coined by Silicones, Inc. in 1985, is defined as the life of a cured RTV-2 silicone mold as it sits unused. Death of RTV-2 silicone molds can occur due to chemical attack from multiple castings, exceeding known service temperature, or internal break down (known as reversion) of the silicone, *i.e.*, library life.

Silicones, Inc. was the first company to develop a product that did not revert when exposed to accelerated aging tests. Since it was not known how accurately the accelerated aging studies would correlate to actual aging, we began a long-term aging study to measure the actual library life of various RTV-2 formulations.

The results from these studies are as follows:

Library Life Studies

Tear resistance (ppi) ASTM D624 (Die B)
GI-1000 Base

<u>Activator</u>	<u>Time</u>										
	<u>1 month</u>	<u>6 months</u>	<u>1 yr</u>	<u>1.5 yr</u>	<u>2 yr</u>	<u>2.5 yr</u>	<u>3 yr</u>	<u>4 yr</u>	<u>5 yr</u>	<u>8 yr</u>	<u>11 yr</u>
800A	133	134	134	136	135	131	127	125	97	90	95
1000A	131	134	133	130	96	110	86	75	18	15	10
2020A	135	135	131	131	116	115	114	110	102	<i>n.a.</i>	<i>n.a.</i>
179A	101	96	94	88	<i>n.a.</i>	106	91	99	92	<i>n.a.</i>	88
P-90 A&B	133	133	134	156	131	110	127	125	116	120	110

The information contained in this data sheet is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee. Since the conditions of use are beyond our control, Silicones, Inc. disclaims any liability incurred in connection with the use of our products and information contained herein.