



# Silicones, Inc.

## *SI-implification*

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*RTV-2 Silicones Since 1974*

## *Architectural Mold Making*

The following two-part RTV silicones were formulated to be used when making molds for reproduction of architectural molding. Casting materials include plaster, gypsum, polyester resin, polyurethane, polyurethane foam or polyurea. Made in the USA at our factory in North Carolina, our products are developed to ensure the best reproduction and mold life available.

### Condensation (tin catalyzed, 10:1 ratio)

#### GI-1000 Base

<b>Activators</b>	<b>GI-1000</b> (standard)	<b>GI-179*</b> (increased polyester resistance)	<b>XT-580*</b> (increased polyurethane resistance)
Color	Blue	Teal	Purple
Viscosity (cps)	40,000	40,000	40,000
Work time (hrs)	1.5 – 2	1.0 – 1.5	1.0 – 1.5
Shore A (+/-3)	30	28	28
Tear (ppi +/- 10)	120	120	120
Tensile (psi +/- 25)	525	625	625
Elongation (% +/- 25)	300	400	400
Specific gravity	1.09	1.09	1.09

#### GI-1040 Base

Viscosity(cps)	60,000	60,000	60,000
Work time (hrs)	1.5 – 2.0	1.0 – 1.5	1.0 – 1.5
Shore A (+/-3)	40	36	36
Tear (ppi +/- 15)	100	100	100
Tensile (psi +/- 25)	525	600	600
Elongation (% +/- 25)	225	325	325
Specific gravity	1.10	1.10	1.10

\*proven library life (life of the mold as it sits on the shelf) improving activators. Ultra Fast Catalyst (UFC) is also available.

### Addition (platinum catalyzed, 10:1 ratio)

Base and activator specific

	<b><u>P-45</u></b>	<b><u>XP-697</u></b>	<b><u>XP-784</u></b>	<b><u>P-50</u></b>
Color	Red-Brown	Red-Brown	Pink	Green
Viscosity (cps)	45,000	45,000	35,000	80,000
Work Time (hours)	1.0 – 2.0	0.5 – 1.0	1.0 – 1.5	1.0 – 2.0
Shore A (+/- 3)	45	45	46	53
Tear (ppi +/- 10)	160	160	140	70
Tensile (psi +/- 25)	800	800	725	750
Elongation (+/- 25)	275	275	435	200
Specific Gravity	1.12	1.12	1.12	1.30

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