

# GT Silicone Rubber Pigments

GT silicone rubber pigments are compatible in both tin cure and platinum silicones. Each pigment is in a strong paste form that disperses easily allowing them to be cost effective. Just a few drops of pigment will go a long way. All GT silicone pigments are available in 8 ounce quantities for \$15.00 each.

- |         |        |
|---------|--------|
| GT-5662 | Black  |
| GT-5670 | Yellow |
| GT-5671 | Green  |
| GT-5672 | Red    |
| GT-5673 | Blue   |
| GT-5674 | White  |
| GT-5631 | Flesh  |

**G****T****P**

# GT 1340

## Silicone RTV

### MoldMaking Rubber

1 June 2001

#### DESCRIPTION

GT Products® 1340 is pourable two-component silicone rubber compound designed for making flexible molds.

GT Products® 1340 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components and protecting sensitive assemblies against thermal shock and vibration.

#### MIXING

Because fillers settle during storage, both GT Products® 1340 and catalyst 1340 should be thoroughly stirred before mixing together. Use separate tools for mixing the two components to avoid cross contamination. GT Products® 1340 base is mixed with catalyst 1340 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Complete mixing is indicated by a uniform yellow color.

#### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Yellow
Specific Gravity	1.27	1.0
Viscosity (cPs)	70,000	1,000
Mixed Viscosity	35,000	
Pot Life (pour time)	1.5 hr.	
After cure (24 hr @ 25°C)		
Tensile, psi:	650	
Elongation, %	350	
Durometer, Shore A	40	
Tear Strength, Die B, ppi	50	
Useful Temperature Range, °C (°F)	-60 – 232 (-75 – 450)	

#### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Dearth the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

GT Products<sup>®</sup> 1340 will cure sufficiently in eight hours at room temperature (75°F) to be handled. GT 1340 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

#### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

#### **STORAGE and HANDLING**

GT Products 1340 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

#### **COMPATIBILITY**

GT Products<sup>®</sup> 1340 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

#### **NOTE**

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 1340 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 June 2001

**G****T****P**

# GT 1350

## Silicone RTV

### MoldMaking Rubber

1 June 2001

#### DESCRIPTION

GT Products® 1350 is pourable two-component silicone rubber compound designed for making flexible molds.

GT Products® 1350 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components and protecting sensitive assemblies against thermal shock and vibration.

#### MIXING

Because fillers settle during storage, both GT Products® 1350 and catalyst 1350 should be thoroughly stirred before mixing together. Use separate tools for mixing the two components to avoid cross contamination. GT Products® 1350 base is mixed with catalyst 1350 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Complete mixing is indicated by a uniform red color.

#### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Red
Specific Gravity	1.27	1.0
Viscosity (cPs)	80,000	1,000
Mixed Viscosity		40,000
Pot Life (pour time)		1.5 hr.
After cure (24 hr @ 25°C)		
Tensile, psi:		650
Elongation, %		300
Durometer, Shore A		50
Specific Gravity:		1.25
Tear Strength, Die B, ppi		50
Useful Temperature Range, °C (°F)		-60 – 232 (-75 – 450)

#### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products<sup>®</sup> 1350 will cure sufficiently in eight hours at room temperature (75°F) to be handled. It will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

## STORAGE and HANDLING

GT Products 1350 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

## COMPATIBILITY

GT Products<sup>®</sup> 1350 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## NOTE

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 1350 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 June 2001

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# GT 1364

## Silicone RTV

### MoldMaking Rubber

1 June 2001

#### DESCRIPTION

GT Products® 1364 is pourable two-component silicone rubber compound designed for making flexible molds.

GT Products® 1364 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components and protecting sensitive assemblies against thermal shock and vibration.

#### MIXING

Because fillers settle during storage, both GT Products® 1364 and catalyst 1364 should be thoroughly stirred before mixing together. Use separate tools for mixing the two components to avoid cross contamination. GT Products® 1364 base is mixed with catalyst 1364 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Complete mixing is indicated by a uniform blue color.

#### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Blue
Specific Gravity	1.30	1.0
Viscosity (cPs)	120,000	1,000
Mixed Viscosity	100,000	
Pot Life (pour time)	1.5 hr.	
After cure (24 hr @ 25°C)		
Tensile, psi:	800	
Elongation, %	175	
Durometer, Shore A	60	
Tear Strength, Die B, ppi	90	
Linear Shrinkage, %	0.1	
Useful Temperature Range, °C (°F)	-60 – 232 (-75 – 450)	

#### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products<sup>®</sup> 1364 will cure sufficiently in eight hours at room temperature (75°F) to be handled. It will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

## STORAGE and HANDLING

GT Products 1364 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

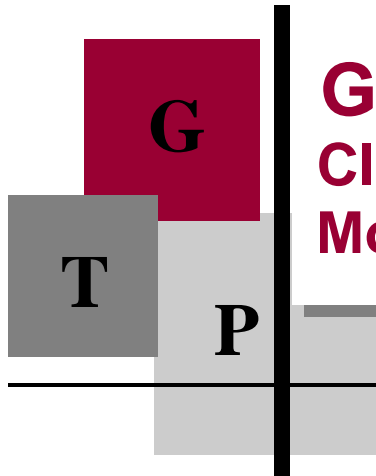
## COMPATIBILITY

GT Products<sup>®</sup> 1364 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## NOTE

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 1364 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 June 2001



# GT 2135

## Clear Silicone RTV MoldMaking Rubber

1 June 2001

### DESCRIPTION

GT Products 2135 is a translucent, pourable, two-component silicone rubber compound designed for making flexible molds.

GT Products 2135 has a low durometer, and is easily stretched off of parts. GT Products 2135 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components protecting sensitive assemblies against thermal shock and vibration, and as an optical coupling adhesive.

### MIXING

GT Products 2135 base is mixed with catalyst 2135 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Care must be taken to avoid contaminating unused base with the mixed material or with mixing tools that have been in contact with the catalyst.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	translucent	clear
Specific Gravity	1.11	1.00
Viscosity (cPs))	104,000	1000
Mixed Viscosity		85,000
Pot Life (pour time)		1.5 hr.

#### Physical:

After cure (72 hr @ 25°C)

Tensile, psi:	850
Elongation, %	400
Durometer, Shore A	35
Tear, Die B, ppi	120
Linear Shrinkage, %	0.1

## DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products 2135 will cure sufficiently in eight hours at room temperature (75°F) to be handled. It will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

## STORAGE and HANDLING

GT Products 2135 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

## COMPATIBILITY

GT Products 2135 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## NOTE

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products 2135 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made*

1 June 2001



# GT 2240

## Silicone RTV

### MoldMaking Rubber

1 November

#### DESCRIPTION

GT Products®2240 is a pourable two-component silicone rubber compound designed for making flexible molds.

GT Products®2240 has a low durometer, and is easily stretched off of parts.

GT Products®2240 features a low viscosity.

GT Products®2240 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components protecting sensitive assemblies against thermal shock and vibration. It is also used as an optical coupling adhesive.

#### MIXING

GT Products®2240 base is mixed with catalyst 2240 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Care must be taken to avoid contaminating unused base with the mixed material or with mixing tools that have been in contact with the catalyst.

#### TYPICAL PROPERTIES

<b>Color:</b>	<u>Base</u> Off White	<u>Catalyst</u> Light Blue
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<b>Specific Gravity Mixed:</b>	1.12
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#### GT2240: 24 hour RTV

Tensile Strength = 750 psi

Tear Strength = 140 pli

Hardness = 40 Shore A

Elongation = 350%

Brookfield Viscosity = 120,000 cps

Pot Life = 60 – 75 min

#### GT2240: Heated Cure

Tensile Strength = 850 psi

Tear Strength = 175 pli

Hardness = 45 Shore A

Elongation = 350%

Brookfield Viscosity = 120,000 cps

Pot Life = 60 – 75 min

#### Notes:

- Brookfield Viscosity was measured with spindle #6 at 5 rpm.
- Heated cure was 1 hour at 300°F. Results were the same whether the slabs were heat press cured or rtv then post cured.
- Results were the same for 24 hour rtv, 3 day rtv, and 5 day rtv.

## DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. De-air the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products<sup>®</sup> 2240 will cure sufficiently in eight hours at room temperature (75°F) to be handled. It will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

## STORAGE and HANDLING

GT Products 2240 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

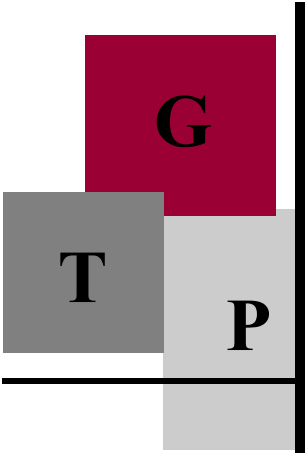
## COMPATIBILITY

GT Products<sup>®</sup> 2240 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## NOTE

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 2240 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 November



# GT 2241T

## Clear Silicone RTV MoldMaking Rubber

1 November

### DESCRIPTION

GT Products®2241T is a translucent pourable two-component silicone rubber compound designed for making flexible molds. GT Products®2241T has a low durometer, and is easily stretched off of parts. GT Products®2241T features a low viscosity.

GT Products®2241T is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components protecting sensitive assemblies against thermal shock and vibration. It is also used as an optical coupling adhesive.

### MIXING

GT Products®2241T base is mixed with catalyst 2241 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Care must be taken to avoid contaminating unused base with the mixed material or with mixing tools that have been in contact with the catalyst.

### TYPICAL PROPERTIES

**Color:**            Base                            Catalyst  
                                 Translucent                    Translucent

**Specific Gravity Mixed:**                            1.12

### GT2241T: 24 hour RTV

Tensile Strength = 750 psi  
Tear Strength = 140 pli  
Hardness = 40 Shore A  
Elongation = 350%  
Brookfield Viscosity = 120,000 cps  
Pot Life = 60 – 75 min

### GT2241T: Heated Cure

Tensile Strength = 850 psi  
Tear Strength = 175 pli  
Hardness = 45 Shore A  
Elongation = 350%  
Brookfield Viscosity = 120,000 cps  
Pot Life = 60 – 75 min

### Notes:

- Brookfield Viscosity was measured with spindle #6 at 5 rpm.
- Heated cure was 1 hour at 300°F. Results were the same whether the slabs were heat press cured or rtv then post cured.
- Results were the same for 24 hour rtv, 3 day rtv, and 5 day rtv.

## DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. De-air the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products<sup>®</sup> 2241T will cure sufficiently in eight hours at room temperature (75°F) to be handled. It will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

## STORAGE and HANDLING

GT Products 2241T will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

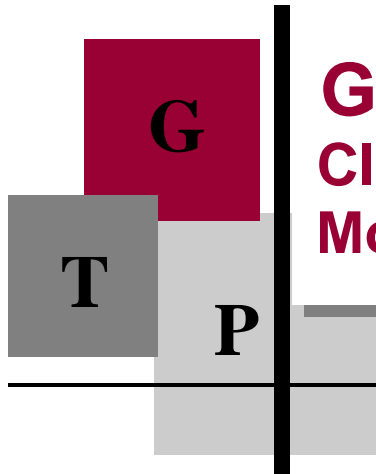
## COMPATIBILITY

GT Products<sup>®</sup> 2241T is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## NOTE

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 2241T for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 November



# GT 5688 Fast Clear Silicone RTV MoldMaking Rubber

1 June 2001

## DESCRIPTION

GT Products 5688 is a translucent, pourable, two-component silicone rubber compound designed for making flexible molds.

GT Products 5688 has a low durometer, and is easily stretched off of parts. GT Products 5688 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used for potting electronic components protecting sensitive assemblies against thermal shock and vibration, and as an optical coupling adhesive.

## MIXING

GT Products 5688 base is mixed with catalyst 5688 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine however, GT-5688 was designed to be used with a dispensing machine. Due to the short gel time it is not recommended that you mix by hand. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Care must be taken to avoid contaminating unused base with the mixed material or with mixing tools that have been in contact with the catalyst.

## TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	translucent	clear
Specific Gravity	1.11	1.00
Viscosity (cPs))	104,000	1000
Mixed Viscosity	53,000	
Pot Life (pour time)	12-15 min..	

### Physical:

After cure (72 hr @ 25°C)

Tensile, psi:	850
Elongation, %	400
Durometer, Shore A	35
Tear, Die B, ppi	120
Linear Shrinkage, %	0.1

## **DEGASSING**

If material is mixed by hand or machine, air will be introduced into the material. Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## **CURING**

GT Products 5688 will cure sufficiently in 3 to 4 hours at room temperature (75°F) to be handled. Any elevation in temperature will shorten the cure time..

## **STORAGE and HANDLING**

GT Products 5688 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

## **COMPATIBILITY**

GT Products 5688 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

## **NOTE**

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products 5688 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made*

1 June 2001



# GT-5811

## RTV Silicone Rubber Compound

1 November 2004

### DESCRIPTION

GT Products<sup>®</sup> GT 5811 is recommended for repetitive production of intricate shapes cast in epoxy or urethane resins. It is also used in areas where silicone oil bleed is prohibited, as this material contains no polydimethylsiloxane fluids.

### MIXING

Because fillers settle during storage, both GT Products<sup>®</sup> 5811 and catalyst 5811 should be thoroughly stirred before mixing together. Use separate tools for mixing the two components to avoid cross contamination. GT Products<sup>®</sup> 5811 base is mixed with catalyst 5811 in a 10 : 1 ratio by weight. Add the catalyst into the base to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds to prevent premature cure. Avoid stirring in an excessive amount of air. Complete mixing is indicated by a uniform green color.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Green
Specific Gravity	1.15	1.0
Viscosity (cPs)	80,000	900
Mixed Viscosity	38,000	
Pot Life (pour time)	1hr.	
After cure (24 hr @ 25°C)		
Tensile, psi:	870	
Elongation, %	270	
Durometer, Shore A	45	
Tear Strength, Die B, ppi	140	
Useful Temperature		
Range, °C (°F)	-60 – 232 (-75 – 450)	

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will expand to about four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

GT Products<sup>®</sup> 5811 will cure sufficiently in eight hours at room temperature (75°F) to be handled. GT 5811 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature or an elevated temperature cure is required.

#### Typical Cure Times

75°F	24	hr.
100°F	95	min.
200°F	5	min.

#### **STORAGE and HANDLING**

GT Products 5811 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

#### **COMPATIBILITY**

GT Products<sup>®</sup> 5811 is an addition (platinum catalyst) cure system. It will cure in contact with most clean dry surfaces. Certain materials such as butyl and chlorinated rubbers, sulfur containing materials, amines and condensation (metal soap catalyst) RTV silicones can cause cure inhibition. This inhibition will manifest itself as a sticky interface with the substrate. Inhibition can often be minimized by warming the substrate to evaporate contaminants, neutralizing and rinsing, or by the use of a suitable barrier. A sample patch test is recommended.

#### **NOTE**

*The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products<sup>®</sup> 5811 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.*

1 November



# GT Products 5619 Silicone Putty

Application Notes and Product Data for X5619 putty

Mixing this material generates heat. More heat results in a quicker cure and reduced working time. Ten minutes is possible with 40.0g of A and 40.0g of B (initially at room temperature) when hand mixed. This is sufficient material to prepare a standard ASTM slab.

- This is an addition cure (platinum catalyzed) system. As such, it can be heat accelerated and is subject to inhibition/poisoning by the usual factors which include (but are not limited to) sulfur, sulfur compounds and amines.
- While X5619 can be mixed with clean dry hands (use your palms not your fingers) we recommend coating your hands with a slight amount of mineral oil or petroleum jelly.
- typical properties:<sup>2</sup> cured 1:1 at room temperature (overnight – 15-24 hrs) and 625 psi

tensile	>600 psi
elongation	>450%
tear	>70 pli
durometer (A)	43
durometer (A) postcured 1 hr @ 300F	49

Mix ratio	1:1
Work time at <80F	~10 minutes <sup>1</sup>
Demold time	~45 minutes
Density of cured material	1.32 g/mL
Color (base/curing agent)	white/Blue
Self-releasing	yes

These properties are preliminary and conservative estimates. Please contact GT Products before setting specifications.



Application Notes and Product Data for GT 5625 putty

Mixing this material generates heat. More heat results in a quicker cure and reduced working time. Ten minutes is possible with 40.0g of A and 40.0g of B (initially at room temperature) when hand mixed. This is sufficient material to prepare a standard ASTM slab.

- This is an addition cure (platinum catalyzed) system. As such, it can be heat accelerated and is subject to inhibition/poisoning by the usual factors which include (but are not limited to) sulfur, sulfur compounds and amines.
- While GT 5625 can be mixed with clean dry hands (use your palms not your fingers) we recommend coating your hands with a slight amount of mineral oil or petroleum jelly.
- typical properties:<sup>2</sup> cured 1:1 at room temperature (overnight – 15-24 hrs) and 625 psi
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Tensile	>550 psi
Elongation	>500%
Tear	>70 pli
Durometer (A)	30
Durometer (A) postcured 1 hr @ 300F	33
Mix ratio	1:1
Work time at <80F	13 minutes
Demold time	45 minutes
Density of cured material	1.32
Color	white/red
Self-releasing	yes

These properties are preliminary and conservative estimates. Please contact GT Products before setting specifications.



## CURING

GT Products " 5090 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5090 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products " 5090 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products " 5090 and catalyst-5090 are sensitive to moisture. Keep containers covered.

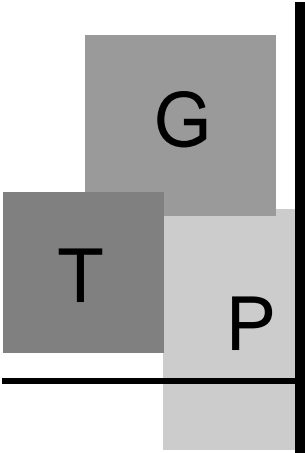
## COMPATIBILITY

GT Products " 5090 is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. GT Products " 5090 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products " 5090 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.

1 Feb. 2003



# GT 5091

## High Strength Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5091 is a room temperature curing silicone rubber compound designed for manufacturing flexible molds.

GT Products™ 5091 features:

- x Low viscosity
- x High tear strength
- x Low durometer
- x Resistance to sulfur clays

GT Products™ 5091 is supplied in matched kits with Catalyst 5091 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5091 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	white	Blue
Specific Gravity	1.12	0.98
Viscosity (cPs)	60,000	100
Mixed Viscosity	22000	
Pot Life (pour time)	60—90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	500
Elongation, %	525
Durometer, Shore A	15
Tear (die B) minimum	150
Linear shrinkage %:	0.3-0.4
Specific Gravity:	1.1

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5091 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5091 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5091 will remain useful for six months when stored in the original unopened containers at temperatures below 80F (27°C). Both GT Products™ 5091 and catalyst-5091 are sensitive to moisture. Keep containers covered.

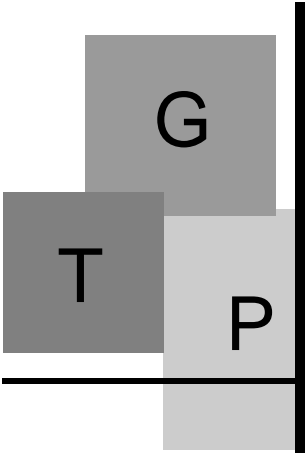
## COMPATIBILITY

GT Products™ 5091 is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5091 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products™ 5091 for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.

1 Feb. 2003



# GT 5092

## High Strength Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5092 is a room temperature curing silicone rubber compound designed for the manufacture of flexible molds.

GT Products™ 5092 features:

- x Low viscosity
- x High tear strength
- x Low durometer
- x Resistance to sulfur clays

GT Products™ 5092 is supplied in matched kits with Catalyst 5092 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5092 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	white	Purple
Specific Gravity	1.12	0.98
Viscosity (cPs)	70,000	100
Mixed Viscosity	31000	
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	600
Elongation, %	500
Durometer, Shore A	20
Tear(die B) minimum	150
Linear shrinkage, %:	0.3-0.4
Specific Gravity:	1.1

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Dearth the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5092 will cure sufficiently in 16 hours at room temperature (72°F) to be handled. GT 5092 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5092 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5092 and catalyst-5092 are sensitive to moisture. Keep containers covered.

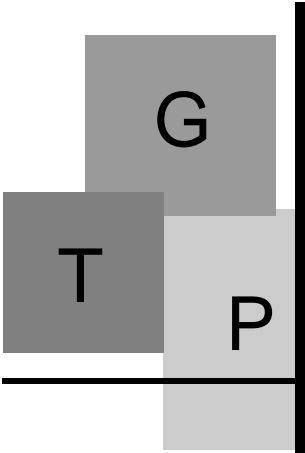
## COMPATIBILITY

GT Products™ 5092 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5092 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5736

## High Strength Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5736 is a room temperature curing silicone rubber compound designed for the manufacture of flexible molds.

GT Products™ 5736 features:

- x Low viscosity
- x High tear strength
- x Low durometer
- x Resistance to sulfur clays

GT Products™ 5736 is supplied in matched kits with Catalyst 5736 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5736 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	white	Green
Specific Gravity	1.10	0.98
Viscosity (cPs)	55,000	100
Pot Life (pour time)		1 hr.

After cure (7 days @ 25°C)

Tensile, psi:	600
Elongation, %	225
Durometer, Shore A	30
Tear(die B) minimum	150
Linear shrinkage,%:	0.3-0.4
Specific Gravity:	1.1

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5736 will cure sufficiently in eight hours at room temperature (72°F) to be handled. GT 5736 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5736 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5736 and catalyst-5736 are sensitive to moisture. Keep containers covered.

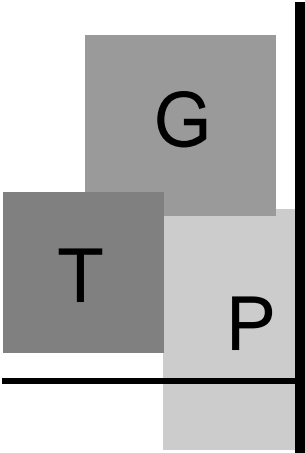
## COMPATIBILITY

GT Products™ 5736 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5736 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5728

## Mid-Grade Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5728 is an economical room-temperature curing silicone rubber compound. GT Products™ 5728 is designed for uses where optimum physical properties are not required.

GT Products™ 5728 features:

- x Medium cost
- x Low durometer
- x Low viscosity
- x Resistance to sulfur clays

GT Products™ 5728 is supplied in matched kits with Catalyst 5728 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5728 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Red
Specific Gravity	1.13	0.98
Viscosity (cPs)	30,000	100
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	400
Elongation, %	550
Durometer, Shore A	10
Tear (die B)	110
Linear shrinkage,%:	0.3-0.4

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Dearth the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5728 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5728 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5728 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5728 and catalyst-5728 are sensitive to moisture. Keep containers covered.

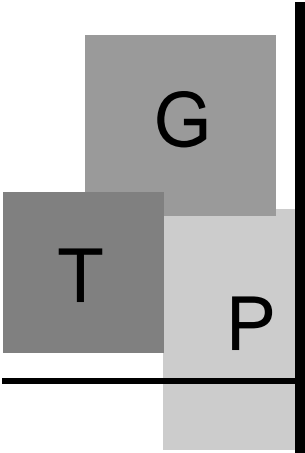
## COMPATIBILITY

GT Products™ 5728 is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5728 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5651

## Mid-Grade Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5651 is an economical room-temperature curing silicone rubber compound. GT Products™ 5651 is designed for uses where optimum physical properties are not required.

GT Products™ 5651 features:

- x Medium cost
- x Low durometer
- x Low viscosity
- x Resistance to sulfur clays

GT Products™ 5651 is supplied in matched kits with Catalyst 5651 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5651 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Blue
Specific Gravity	1.12	0.98
Viscosity (cPs)	35,000	100
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	400
Elongation, %	500
Durometer, Shore A	12
Tear (die B)	110
Linear shrinkage,%:	0.3-0.4

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5651 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5651 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5651 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5651 and catalyst-5651 are sensitive to moisture. Keep containers covered.

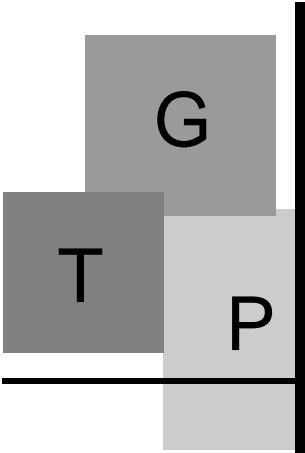
## COMPATIBILITY

GT Products™ 5651 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5651 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5727

## Mid-Grade Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5727 is an economical room-temperature curing silicone rubber compound. GT Products™ 5727 is designed for uses where optimum physical properties are not required.

GT Products™ 5727 features:

- x Medium cost
- x Low durometer
- x Low viscosity
- x Resistance to sulfur clays

GT Products™ 5727 is supplied in matched kits with Catalyst 5727 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5727 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Purple
Specific Gravity	1.13	0.98
Viscosity (cPs)	45,000	100
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	500
Elongation, %	400
Durometer, Shore A	20
Tear (die B)	110
Linear shrinkage,%:	0.3-0.4

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5727 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5727 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5727 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5727 and catalyst-5727 are sensitive to moisture. Keep containers covered.

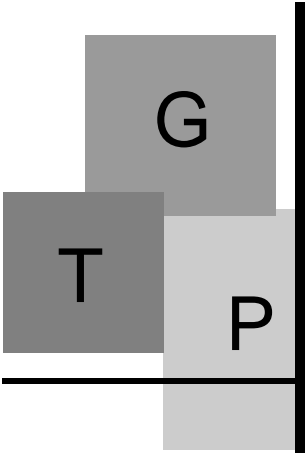
## COMPATIBILITY

GT Products™ 5727 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5727 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5104

## Low Cost Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5104 is an economical room-temperature curing silicone rubber compound. GT Products™ 5104 is designed for uses where optimum physical properties are not required. A typical application is the backup of silicone RTV glove molds.

GT Products™ 5104 features:

- x Low cost
- x Low viscosity
- x Low durometer
- x Resistance to sulfur clays

GT Products™ 5104 is supplied in matched kits with Catalyst 5104 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5104 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	white	Purple
Specific Gravity	1.12	0.98
Viscosity (cPs)	65,000	100
Mixed Viscosity	28000	
Pot Life (pour time)	60-90 min.	
After cure (7 days @ 25°C)		
Tensile, psi:	450	
Elongation, %	375	
Durometer, Shore A	25	
Tear (die B)	60	
Linear shrinkage, %:	0.3-0.4	
Specific Gravity:	1.17	

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5104 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5104 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5104 will remain useful for six months when stored in the original unopened containers at temperatures below 80F (27°C). Both GT Products™ 5104 and catalyst-5104 are sensitive to moisture. Keep containers covered.

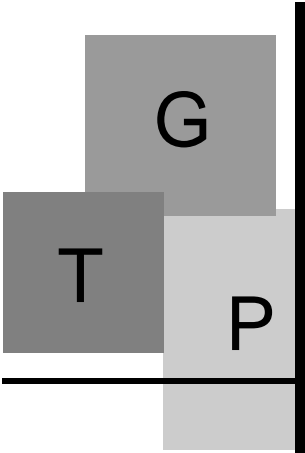
## COMPATIBILITY

GT Products™ 5104 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5104 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5361

## Low Cost Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5361 is an economical room-temperature curing silicone rubber compound. GT Products™ 5361 is designed for uses where optimum physical properties are not required. A typical application is the backup of silicone RTV glove molds.

GT Products™ 5361 features:

- x Low cost
- x Low durometer
- x Low viscosity
- x Resistance to sulfur clays

GT Products™ 5361 is supplied in matched kits with Catalyst 5361 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5361 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	white	Blue
Specific Gravity	1.12	0.98
Viscosity (cPs)	65,000	100
Mixed Viscosity	28000	
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	450
Elongation, %	375
Durometer, Shore A	15
Tear (die B)	60
Linear shrinkage,%:	0.3-0.4
Specific Gravity:	1.17

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5361 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5361 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5361 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5361 and catalyst-5361 are sensitive to moisture. Keep containers covered.

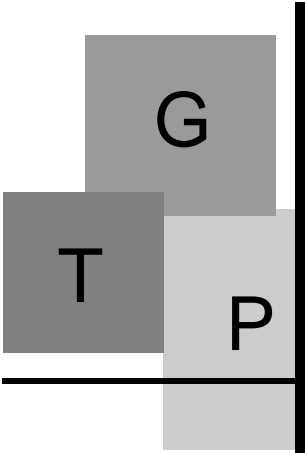
## COMPATIBILITY

GT Products™ 5361 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5361 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT 5384

## Low Cost Silicone RTV MoldMaking Rubber

1 Feb. 2003

### DESCRIPTION

GT Products™ 5384 is an economical room-temperature curing silicone rubber compound. GT Products™ 5384 is designed for uses where optimum physical properties are not required. A typical application is the backup of silicone RTV glove molds.

GT Products™ 5384 features:

- x Low cost
- x Low durometer
- x Low viscosity
- x Resistance to sulfur clays

GT Products™ 5384 is supplied in matched kits with Catalyst 5384 designed to be used in a 10:1 ratio by weight.

### MIXING

Because pigments can settle during storage, Catalyst 5384 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture.

### TYPICAL PROPERTIES

	<u>Base</u>	<u>Catalyst</u>
Color	White	Red
Specific Gravity	1.12	0.98
Viscosity (cPs)	65,000	100
Mixed Viscosity	28000	
Pot Life (pour time)	60-90 min.	

After cure (7 days @ 25°C)

Tensile, psi:	450
Elongation, %	375
Durometer, Shore A	8
Tear (die B)	60
Linear shrinkage;%:	0.3-0.4
Specific Gravity:	1.17

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

## CURING

GT Products™ 5384 will cure sufficiently in 16 hours at room temperature (75°F) to be handled. GT 5384 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

## STORAGE and HANDLING

GT Products™ 5384 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both GT Products™ 5384 and catalyst-5384 are sensitive to moisture. Keep containers covered.

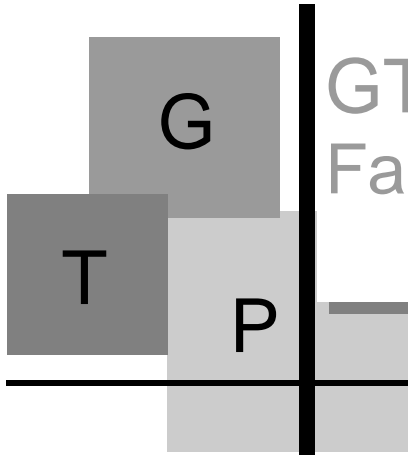
## COMPATIBILITY

GT Products™ 5384 is a condensation (“Tin catalyst”) cure system. It will cure in contact with most clean dry surfaces. GT Products™ 5384 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

## NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

1 Feb. 2003



# GT Products     Condensation System

## Fast Catalyst     5275

1 Feb. 2003

### DESCRIPTION

GT Products™ 5275 Fast Catalyst is a room temperature curing silicone rubber catalyst designed to accelerate the cure of our condensation silicone rubber compounds.

GT Products™ 5275 can be used with:

- |           |         |         |
|-----------|---------|---------|
| x GT-5090 | GT-5728 | GT-5384 |
| x GT-5091 | GT-5651 | GT-5361 |
| x GT-5092 | GT-5727 | GT-5104 |

### MIXING

Because pigments can settle during storage, Catalyst 5275 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

### TYPICAL PROPERTIES

#### Catalyst

Color	Yellow
Specific Gravity	0.98
Viscosity (cPs)	100

#### Typical Physical Properties:

Pot Life (pour time)	40-60 min.
Demold	8-12 Hrs.

### STORAGE and HANDLING

GT Products " 5275 FC will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

GT Products " 5275 FC is sensitive to moisture. Keep containers covered.

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. De-air the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and expand three to four times it's normal level, then crest and recede back to its original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

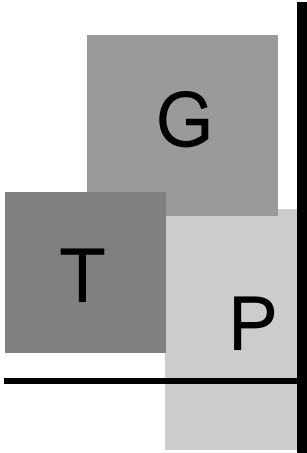
### COMPATIBILITY

GT Products " 5275 FC is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. GT Products " 5275 FC will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

### NOTE

The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products " 5275 FC for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.

1 Feb. 2003



# GT Products Condensation System Ultra Fast Catalyst 5560

1 Feb. 2003

## DESCRIPTION

GT Products™ 5560 Fast Catalyst is a room temperature curing silicone rubber catalyst designed to accelerate the cure of our condensation silicone rubber compounds.

GT Products™ 5560 Fast Catalyst can be used with:

x GT-5090	GT-5728	GT-5384
x GT-5091	GT-5651	GT-5361
x GT-5092	GT-5727	GT-5104

## MIXING

Because pigments can settle during storage, Catalyst 5560 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

## TYPICAL PROPERTIES

### Catalyst

Color	Orange
Specific Gravity	0.98
Viscosity (cPs)	100

### Typical Physical Properties:

Pot Life (pour time)	15-35 min.
Demold	4 - 6 Hrs.

### STORAGE and HANDLING

GT Products " 5560 UFC will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

GT Products " 5560 UFC is sensitive to moisture. Keep containers covered.

### DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Dearth the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and expand three to four times it's normal level, then crest and recede back to its original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

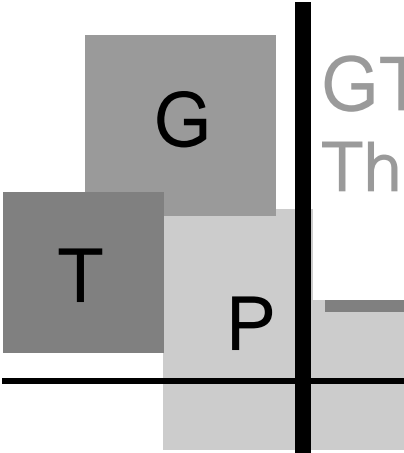
### COMPATIBILITY

GT Products " 5560 UFC is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. GT Products " 5560 UFC will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

### NOTE

The above data is based on typical experience and should not be used for specification writing. Suitability of GT-Products " 5560 UFC for a specific application should be determined under actual use conditions. No warranty, expressed or implied, is hereby made.

1 Feb. 2003



# GT Products Condensation System Thixotropic Additive GT 5235

1 Feb. 2003

## DESCRIPTION

GT 5235 is a one to three percent by weight additive that is specifically formulated for brush on molding.

After mixing into any of our condensation systems the material will thicken to a creamy, butterable product that can easily be brushed on to vertical or overhead surfaces without sagging or running. A thin layer of non-thixotropic silicone material should be applied first to capture detail and achieve a bubble free surface. The rubber will cure in 24 hours at room temperature.

