



PRODUCT CATALOG

www.super-silicon.com

www.siliconerubber.ae

• RTV Silicone Rubber
• Polyurethane Rubber
• Liquid Plastic

• Epoxy Resin



WE HAVE RICH EXPERIENCE IN HANDLING ORDERS FOR HEAVY BUYERS WITH PROFESSIONAL PROCESS

SuperSil Materials Co. Ltd is a company dedicated to providing superior quality silicone and polyurethane products that meet international standards. Based in Dongguan, China, SuperSil Materials has more than 15 years of experience in the silicone rubber industry.

During this time, we have grown by leaps and bounds, especially in the area of research and development. SuperSil Materials has always prioritized the creation of silicone rubber products that can meet even the most demanding needs of our customers.

- Stable raw material purchasing
- Favorable orders follow-up management
- Laudable lead-time & shipment control
- Traceable quality evaluation
- Flexible payment terms
- Remarkable after-sale service

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RTV-2 Silicone rubber

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MOLD MAKING MATERIALS COMPARISON



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MOLD MAKING





TIN CURE SILICONE RUBBER

PLATINUM CURE SILICONE

POLYURETHANE MOLD RUBBER

RUBBER TYPE	ADVANTAGES	DISADVANTAGES	CASTING MATERIALS	METHODS
Platinum-Cured Silicone Mold Rubbers	 No release agent needed No shrink on cure Cured rubber has long storage life Excellent chemical resistance 	Cure inhibited by some surfaces	Most materials, especially resins, foams, plaster, wax, concrete etc. and some low-melt metals and food grade products mould.	Pour, Brush, Spray.
Tin-Cured Silicone Mold Rubbers	High strengthExcellent chemical resistance	Shrinks on cure (~0.3%) Cured rubber has limited storage life	Most materials, especially resins, foams, plaster, wax, concrete etc.	Pour, Brush, Spray.
Polyurethane rubber	 High strength high hardness available 40-90 Shore A. 	Requires careful application of release agent. Moisture sensitive (in liquid form)	Casting most materials. Acceptable for some resins, GRC/ GRP, Cement, concrete etc.	Pour

ADVANTAGES & DISADVANTAGE COMPARISON







SuperSil™ Tin-cured Silicone mold rubber is a two-component material consisting of Base which when mixed with a Curing Agent, cures at room temperature by a condensation reaction. It is used to make rubber molds that can be used to cast polyurethanes, epoxy's, polyester's, cement, concrete, soap, wax, plaster, etc.. It is easy to mix and de-air, and will cure at room temperature over virtually any surface.

SuperSil[™] Tin-cured Silicone mold rubber is a general purpose RTV silicone elastomer which exhibits excellent tear strength, long library life, and accurate detail reproduction.

Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

Typical Uses & Casting Materials

- Resin casting (polyurethane, polyester, epoxy)
- Foam casting
- Wax casting
- Sculpture reproduction
- Soap and candle making
- Plaster casting
- Cold cast bronze art
- Low-melt metals
- Concrete, Cement, GRC casting
- Craft, toy casting

T-Flow Series — High flowability, pourable







Features

- High flowability, pourable
- High strength
- High elasticity, for easy removal of, complex replica parts
- Less shrinkage
- Outstanding release properties



Designed for molding polyurethanes, polyester resins, plasters, waxes, soaps, paraffin, gypsum, concrete, liquid plastics, as well as for the production of souvenirs, sculptures, figurines and other handicrafts.



PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel

T-Flow Series — High flowability, pourable

PHYSICAL PROPERTIES TEST @25℃	T-FLOW 10	T-FLOW 15	T-FLOW 20	T-FLOW 25	T-FLOW 30	T-FLOW 40
Hardness (Shore A)	10A	15A	20A	25A	30A	35-40A
Mixing ration (by weight)	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5
Color (Adjustable)	Silicone: White Catalyst: Pink/Red/ Blue /Green	Silicone: White Catalyst: Pink/Red/ Blue/Green				
Viscosity (cps)	15,000~18,000	15,000~18,000	21,000~26,000	23,000~28,000	23,000~28,000	23,000~28,000
Working time (Mins)	50-60 Mins	50-60 Mins	50-60 Mins	50-60 Mins	50-60 Mins	50-60 Mins
Curing time (Hours)	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours
Tear Strength (KN/m)	≥15	≥19	≥22	≥26	≥26	≥24
Tensile Strength (Mpa)	≥2.5	≥3.0	≥3.5	≥4.2	≥4.2	≥3.5
Elongation (%)	≥600%	≥550%	≥550%	≥500%	≥450	≥390
Shrinkage rate	<0.3%	<0.3%	<0.3%	<0.3%	<0.3%	<0.3%



SuperSil T-30 Tin cure silicone rubber







T-Brush Series — Brush-able application

Brush-able Silicone, self-thickens for making fast brush-on molds of almost any model. 4 thin layers is all that is necessary to make a strong and durable production mold for casting wax, gypsum, concrete or resins.

Features

- Brush-able application
- High tear strength
- High elasticity, for easy removal of, complex replica parts
- Less shrinkage
- Outstanding release properties

Typical Uses & Casting Materials

These rubbers are commonly used in Sculpture, Architectural Reproduction & Restoration applications. It is used to make rubber molds that can be used to cast polyurethanes, epoxy's, polyester's, cement, concrete, soap, wax, plaster, etc..



Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel

T-Brush Series — Brush-able application

PHYSICAL PROPERTIES TEST @25°C	T-BRUSH 20	T-BRUSH 25	T-BRUSH 30	
Hardness (Shore A)	20A	25A	30A	
Mixing ration (by weight)	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	
Color (Adjustable)	Silicone: White	Silicone: White	Silicone: White	
	Catalyst: Pink/Red/Blue/Green	Catalyst: Pink/Red/Blue/Green	Catalyst: Pink/Red/Blue/Green	
Viscosity (cps)	33,000~40,000	33,000~40,000	33,000~40,000	
Working time (Mins)	40-50 Mins	40-50 Mins	40-50 Mins	
Curing time (Hours)	10-12 Hours	10-12 Hours	10-12 Hours	
Tear Strength (KN/m)	≥25	≥28	≥28	
Tensile Strength (Mpa)	≥3.8	≥4.2	≥4.2	
Elongation (%)	≥550%	≥500%	≥450	
Shrinkage rate	<0.3%	<0.3%	<0.3%	





SuperSil T-25 Tin cure silicone rubber



T-Pro Series — Super strong strength

T-Pro series silicone mold rubber is a Super strong strength silicone, properties improved 35% than other suppliers, extra Low-Shrinkage, High chemical resistance, high burn out resistance.

Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

Features

- Super strong strength, improved 35% than competitors
- Extra Low-Shrinkage
- High elasticity, for easy removal of, complex replica parts
- Excellent Age resistance
- Outstanding release properties
- Not easy to be oily on the surface of the mold.

Typical Uses & Casting Materials

Designed for molding polyurethanes, polyester resins, plasters, waxes, soaps, paraffin, gypsum, concrete, liquid plastics, as well as for the production of souvenirs, sculptures, figurines and other handicrafts

Especially suitable for polyurethanes, polyester resins, epoxy resin, concrete, cement, and GRC, etc, Rough materials.



PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel



Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

T-Pro Series — Super strong strength

PHYSICAL PROPERTIES	OPERTIES T-PRO 10 T-PRO 1		T-PRO 20	T-PRO 25	T-PRO 30
Hardness (Shore A)	10A	15A	20A	25A	30A
Mixing ration (by weight)	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5	A:B=100:2~5
	Silicone: Translucent	Silicone: Translucent	Silicone: Translucent	Silicone: Translucent	Silicone: Translucent
Color (Adjustable)	Catalyst: Pink/Red/Blue / Green	Catalyst: Pink/Red/Blue/ Green	Catalyst: Pink/Red/Blue / Green	Catalyst: Pink/Red/Blue/ Green	Catalyst: Pink/Red/ Blue/Green
Viscosity (cps)	30,000~33,000	30,000~33,000	30,000~33,000	30,000~33,000	30,000~33,000
Working time (Mins)	50-60 Mins	50-60 Mins	50-60 Mins	50-60 Mins	50-60 Mins
Curing time (Hours)	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours	10-12 Hours
Tear Strength (KN/m)	≥20	≥24	≥29	≥34	≥32
Tensile Strength (Mpa)	≥3.0	≥4.0	≥4.2	≥4.5	≥4.2
Elongation (%)	≥750%	≥700%	≥680%	≥600%	≥600
Shrinkage rate	<0.15%	<0.15%	<0.15%	<0.15%	<0.15%









Instructions

- 1. Stir Part A well before use, shake Part B catalyst container well before use.
- 2. Weigh 100 Part A to 2~3 Part B using an accurate scale and a clean mixing container.
- 3. Vigorously mix and scrape walls of the container, continue mixing until uniform.
- 4. Place the mixture in a vacuum chamber & degass. If without a chamber, Pour the mixture 2-3 inches above the pattern in a thin stream.
- 5. Allow the silicone to cure 2-4 hours and demold with care.

Important tips

- 1. Before use, please read operation manual.
- Before large production, a small-scale test is recommended. 2.
- 3. Mixing ratio must be accurate, recommend mixing ratio is A:B=100:2~3(by weight), If curing too fast, please reduce ratio of catalyst to 1% or less, then Stir Part A and Part B completely.
- 4. Vacuum degassing air bubble is recommended if available.
- 5. Put into use after 24 hours.

Storage & shelf-life

16+ months, should be stored in original, unopened containers between 15 and 25 $^\circ{
m C}$

Packages

Silicone	1kg/barrel	5kg/barrel	20kg/barrel	25kg/barrel	200kg/barrel
Catalyst	50g/bottle	250g/ bottle	1kg/bottle	1.25kg/bottle	10kg/ container







25KG metal barrel+ 1000g/ Bottle catalvst kit

Bottle catalyst kit



5KG plastic barrel + 200g/ bottle catalyst kit





1KG plastic barrel + 40g/ Bottle catalyst kit

CURE M m -2 SIL

PLATINUM CURE SILICONE RUBBER

Platinum-cured silicone (also known as addition-cure silicone), room temperature-curing silicones that cure to flexible, high -strength rubbers. SuperSil™ Platinum cured molds offer excellent release properties and release agent is not necessary when casting most materials. Compared to tin-cured silicone rubbers, platinum cured silicones exhibit long library life and non-shrinkage on cure.

Especially Caution for platinum cure silicone

Platinum cure silicone rubber may be inhibited by certain contaminants resulting in tackiness on the surface of the mold. Latex, sulfur-based clays, tin cured silicone rubber, amines, nitriles, organo-metallic salt-containing compounds should be avoided. If you are unsure of the compatibility of the substrate being molded a small test is recommended. To prevent inhibition it is usually helpful to coat the pattern with clear acrylic lacquer or paint. Do not use polyurethane or latex.

RUBBER TYPE	ADVANTAGES	DISADVANTAGES	CASTING MATERIALS	METH- ODS
Platinum-Cured Silicone Rubbers	No release agent needed. No shrink on cure. Cured rubber has long storage life. Excellent chemical resistance.	Cure inhibited by some surfaces.	Most materials, especially resins, foams, plaster, wax, concrete etc. and some low-melt metals and food grade products mould.	Pour, Brush
Tin-Cured Silicone Rubbers	High strength. Excellent chemical resistance. Slight cheaper than platinum.	Shrinks on cure (~0.3%). Cured rubber has lim- ited storage life.	Most materials, especially resins, foams, plaster, wax, concrete etc.	Pour, Brush











P-Series

Features

- Excellent Tear and Tensile strength, durable using life
- 100% No shrink on cure, No deformation
- High heat and chemical resistance, long service life
- High flowability, bubbles easy release
- High elasticity, for easy removal of, complex replica parts
- Compliance with FDA Certificate, Odorless, Non-toxic, food-grade, skin safe
- Applicable to food product applications

Typical Uses & Casting Materials

Platinum cure silicone is designed for molding a variety of industrial and artrelated applications including, Making molds to reproduce prototypes, furniture, sculpture, concrete, plaster, gypsum, fiberglass, wax/candle crafts, toys, soap, artificial stones, cement decoration, GRC, GRG and also food product items.

Especially for high precision products and request a no-shrink on cured mold.



PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel



P-Series

PHYSICAL PROPERTIES	P-10	P-15	P-20	P-25	P-30	P-35	P-40
Hardness (A)	10A	15A	20A	25A	30A	35A	40A
Mixing Ratio (By weight)	1A:1B	1A:1B	1A:1B	1A:1B	1A:1B	1A:1B	1A:1B
Color			A: Trans B: Trans	slucent (Pink, Red, Blu slucent (Pink, Red, Blu	ue, Green, Yellow) ue, Green, Yellow)		
	8,000-	8,000-	8,000-	8,000-	8,000-	8,000-	8,000-
Mixed Viscosity (Cps)	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Working time			Standard ty	vpe: 30-40Mins S	low type: 60-90Mins		
Cure time			Standard ty	vpe: 5-8hrs S	low type:10-12hrs		
Tear strength (KN/m)	≥16	≥18	≥22	≥26	≥28	≥24	≥21
Tensile Strength (Mpa)	≥3.1	≥3.5	≥3.9	≥4.2	≥4.0	≥3.5	≥3.1
Elongation (%)	≥600%	≥550%	≥550%	≥500%	≥450%	≥400%	≥380%
Shrinkage (%)	0%	0%	0%	0%	0%	0%	0%









P-Pro Series — Super strong strength

Features

- Super strong Tear and Tensile strength, improved by 27% than P series.
- 100% No shrink on cure, No deformation
- High heat and chemical resistance, long service life
- High elasticity, for easy removal of, complex replica parts
- Compliance with FDA Certificate, Odorless, Non-toxic, food-grade

Typical Uses & Casting Materials

Platinum cure silicone is designed for molding a variety of industrial and artrelated applications including, Making molds to reproduce prototypes, furniture, sculpture, concrete, plaster, gypsum, fiberglass, wax/candle crafts, toys, soap, artificial stones, cement decoration, GRC, GRG and also food product items.

Especially for high precision products and request a no-shrink on cured mold, like Prototype mold making for electric & electronics industry such as TVs, Home appliances, mobile phones, copy machines, etc. and automotive industry such as console boxes, radiator grilles, lamp housings, etc. and Vacuum bagging.



PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel

P-Pro Series — Super strong strength

PHYSICAL PROPERTIES	P-PRO 10	P-PRO 15	P-PRO 20	P-PRO 25	P-PRO 30	P-PRO 35	P-PRO 40	
Hardness (A)	10A	15A	20A	25A	30A	35A	40A	
Mixing Ratio	1A:1B or	1A:1B or	1A:1B or	1A:1B or	1A:1B or	1A:1B or	1A:1B or	
(By weight)	100A:10B	100A:10B	100A:10B	100A:10B	100A:10B	100A:10B	100A:10B	
Calar				A: Translucent				
Color	B: Translucent							
	30,000-	30,000-	30,000-	30,000-	30,000-	30,000-	30,000-	
Mixed Viscosity (Cps)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	
Working time			Standard	d type: 30-40Mins	Slow type: 60-90Mins			
Cure time			Standar	d type: 5-8hrs	Slow type:10-12hrs			
Tear strength (KN/m)	≥20	≥23.5	≥28.5	≥31	≥31	≥29	≥25	
Tensile Strength (Mpa)	≥3.5	≥3.8	≥4.2	≥4.5	≥4.8	≥4.5	≥4.5	
Elongation (%)	≥700%	≥650%	≥600%	≥600%	≥550%	≥500%	≥450%	
Shrinkage (%)	0%	0%	0%	0%	0%	0%	0%	



Instructions

- Stir Part A and Part B well before use.
- Weigh 1 Part A to 1 Part B using an accurate scale and a clean mixing container.
- Vigorously mix and scrape walls of the container, continue mixing until uniform.
- Place the mixture in a vacuum chamber & degass. If without a chamber, Pour the mixture 2-3 inches above the pattern in a thin stream.
- Allow the silicone to cure 2-4 hours and demold with care.

Storage & shelf-life

16+ months, should be stored in original, unopened containers between 15 and 25 ${}^\circ\!\!{\rm C}$

Packages

Part A	1kg/	2.5kg/	5kg/	20kg/	200kg/
	barrel	barrel	barrel	barrel	barrel
Part B	1Kg/	2.5kg/	5kg/	20kg/	200kg/
	barrel	barrel	barrel	barrel	barrel

Important tips

- 1. Before use, read operation manual please.
- 2. Before large production, a small-scale test is recommended.
- 3. Mixing ratio must be accurate, mixing ratio is A:B=1:1 (by weight)
- 4. Use a vacuum to de-gas this product before use under pressure. Vacuum silicone for 2-3 minutes (29 inches of mercury). Leave enough room in the container for silicone to expand.
- 5. This product has limited shelf life. Use as soon as possible after opening.
- 6. Always tightly reseal containers after use. Air, moisture or other contamination causes a reduction in reactivity over time.



KNEADABLE SILICONE (PLATINUM CATALYST)

KS - Series

Kneadable silicone are new silicone compounds (platinum catalyst) that can be easily mixed and applied by hand to a variety of surfaces. KS - Series Putty is mixed in equal amounts (1A:1B) by volume/weight. Its Shrinkage is very low and cured rubber is exceptionally strong (very high tensile strength), durable and will resist high temperature .SP Silicone Putty is o FOOD SAFE and can be used for culinary applications.

Features

- Easy mix by hand with 1A:1B
- Ideal for small molds
- Excellent detail duplication from original.
- Strong, flexible, reusable
- High Heat range, up to 300C.
- No Shrinkage.
- Self releasing, no mold release agent needed.
- Odorless, Non Toxic, Food Grade.

Typical Uses & Casting Materials

Ideal for a wide range of impression type mold applications including wax, baking, chocolate, ice cubes, soap, plaster, air dry clay, concrete, resin, and low melt metals, Include making fast mold impressions from almost any surface, orthotics / orthopedic, equine hoof repair, jewelry making and dental use.

PACKAGE:

500g/tub

KNEADABLE SILICONE

KS - Series

ІТЕМ	A:B MIX RATIO	COLOR	DE-MOLD TIME	ELONGATION AT BREAK	MIXED VISCOSITY	POT LIFE	SHORE A HARDNESS	TEAR STRENGTH	TENSILE STRENGTH
KS30 (F)	1A:1B by weight	Pink/blue	7 min	250%	Putty	1-2min	35	150 pli	520 psi
KS30 (M)	1A:1B by /weight	Pink/blue	30 min	250%	Putty	4-5min	35	150 pli	520 psi
KS30 (S)	1A:1B by weight	Pink/blue	4 hours	250%	Putty	25-30 min	35	150 pli	520 psi



VACUUM BAGGING SILICONE

VB - Series

VB® Vacuum bagging silicone is a brushable, Platinum-Cure Silicone Rubber developed especially for fabricating reusable vacuum bags by hand (No spray equipment is required) or by spray equipment. VB® Vac Bag Silicone has a 1A:1B by volume mix ratio and is easy to mix and apply. Mixed rubber is thixotropic and can be applied with a brush or spatula to vertical surfaces without sagging. Production-ready vacuum bags can be fabricated fast using VB® Vac Bag Silicone resulting in tremendous time and labor savings. Since bags are reusable, long term material costs are greatly reduced.

Advantages of Silicone Vacuum Bags:

- Fast as low as 4 hours from bag fabrication to part production.
- Cost Effective Production after 8 cycles vs. consumable bags.
- Reusable for hundreds of parts with polyester-based resins; upto 50 times with epoxy and 100 times when using pre-preg thermoplastic. Also suitable for de-bulk.
- Reduce Labor silicone bag is reset in minutes; no taping or pleating.
- Self-Releasing no release agents required.
- Perfect Fit even for complex shapes and undercuts.
- Odorless No solvents or VOC's.
- High Service Temperature up to 464°F / 240°C.
- Built-in Vacuum Seal.
- Ideal for Wet Lay-Up, Infusion, Pre-Preg (in or out of autoclave), and De-Bulk.

PACKAGE:

1kg/can, 5kg/barrel, 20kg/barrel, 200kg/barrel

PROPERTIES	VB20
Hardness (shore A)	20
Mixing ration (by weight)	1:1
Color	Translucent
Mixing Viscosity (cps)	20,000
Working time (Mins) @25'C	30Mins
Cure time (Hrs)@25'C	3-4 Hrs
Tear strength (N/mm)	≥22
Tensile Strength (Mpa)	≥4.30
Elongation(%)	≥550%
Shrinkage (%)	<0.001%







POLYURETHANE RUBBER

PU polyurethane liquid mold rubber is mid-range to firm hardness (Shore A50 – A90), high-performance. They offer superior strength, toughness, and abrasion-resistance that result in durable molds that capture and reproduce exact textures and the finest detail from any model.

Most concrete mixes and polyurethane resins require a suitable release agent. Vacuum degassing mixed material using a vacuum pump and chamber to remove entrapped air is recommended.

Features

- Two-part polyurethane rubbers
- High hardness A50 A90, which silicone rubber unable to reach
- Super-strength, 3 times stronger than silicone rubber, high abrasion-resistant, super-tough rubbers
- Reproduces fine details and textures
- Long-lasting, economical
- Ideal for high volume casting applications
- All rubbers can be demolded after ~16 hours

Typical Uses & Casting Materials

Primarily used for high volume casting applications, like Concrete/ cement casting, artificial stone casting, GRC casting, concrete form liners, texture mats and concrete stamps.

PACKAGE:

5kg/barrel, 20kg/barrel







POLYURETHANE RUBBER

PU - Series

PHYSICAL PROPERTIES	PU50	PU60	PU70	PU80	PU90	
Hardness (Shore A)	50-55A	60A	70A	80A	90A	
Mixing ration (by weight)	A:B=1:1	A:B=1:1 A:B=1:1		A:B=1:1	A:B=1:1	
Color	Amber	Amber	Amber	Amber	Amber	
Viscosity (cps)	2,000~4,000	2,000~4,000 2,000~4,000		2,000~4,000	2,000~4,000	
Working time (Mins)	20-30 Mins	20-30 Mins 20-30 Mir		20-30 Mins	20-30 Mins	
Total Cure time (Hrs)	6-8 hours	6-8 Hours	6-8 Hours	6-8 Hours	6-8 Hours	
Tear (N/mm)	58	56	56	65	85	
Tensile (Mpa)	10	10	15	16	20	
Rebound rate(%)	47	40	46	45	42	
Elongation (%)	560	560	560	550	500	





LIQUID PLASTIC

The PUCast Series is a two-component polyurethane casting resin which exhibits good impact resistance and strength, ultra-low viscosity casting polyurethane resins that yield castings that are bright white and virtually bubble-free. Vacuum degassing is not necessary. They offer the convenience of a 1A:1B by weight mix ratio. The differences between them are pot life and demold time.

Fully cured castings are tough, durable, machinable and paintable. Applications for PUCast Series polyurethane casting resin include reproducing small to medium size sculptures, making prototype models, special effect props and decorative jewelry.

Features

- Easy to measure and mix 1:1 mix ratio by weight
- Low viscosity captures excellent detail no degassing necessary
- Resin cures to a bright white finish
- Works excellent in rtv silicone molds
- A two-component polyurethane casting resin which exhibits good impact resistance and strength.

Application

Casting resin for Making models, molds, prototypes, figurines, proof molds, make reproductions, etc..

This is an ideal resin for professional model makers, hobbyists, crafters, and taxidermists. PUCast turns from liquid to solid in 15 minutes and works excellent in rtv silicone molds.

Instruction

- Shake part A and Part B well, and let stand until bubble dissipate
- Weigh 100 Part A to 100 Part B using an accurate scale and a clean mixing container.
- Mix and scrape walls of the container, continue mixing for 15-20 seconds.
- Pour the resin into your mold.
- Allow the resin to cure and de-mold with care.

PACKAGE:

1kg/can, 5kg/can



LIQUID PLASTIC

PHYSICAL PROPERTIES TEST @25℃	PUCAST -17	PUCAST -14
Hardness (Shore D)	70 D	70 D
Mixing ration (by weight)	A:B=1:1	A:B=1:1
Color	Off white	White
Viscosity (cps)	70	70
Working time (Mins)	2 Mins	2 Mins
Curing time (Hours)	20 Mins	20 Mins
Heat Deflection	75 'C	75 'C













White









Epoxy resin is a two-component system. Part A is resin and Part B is the hardener. This epoxy kit is clear and suited for all applications. It can be used on; river tables, live edge slabs, jewelry, Crafts and art casting, tabletops, wood coatings, boat building, art, crafts, decoupage coatings, & marine applications.

Features

- Ultra-clear
- Super Gloss Durable Finis
- Self Leveling, Superior Air Release, Easy To Use
- UV stable, formulated with the high UV inhibitors to resist yellowing
- Extremely durable, rock-solid, Low Odor

Instruction

Easily mix a ratio of Base Resin A-Side with the B Side Curing Agent.

Pour Each side into a separate cup, then combine it in a third mixing container.

Mix the contents for a MINIMUM of 3 minutes, but 5 minutes is the recommended time to mix.

Working time is 1 hour at 77 degrees Fahrenheit, giving you plenty of time to perfectly mix your epoxy resin pigment powder to create a colored epoxy for wood.

Cure time is longer, which enables a thicker pour with a bubble-free tough, durable, wet gloss, beautifully crystal clear epoxy resin finish!

Total cure time: 36-48 hrs.

PRODUCT	DESCRIPTION
Super- CAST31 Pro	Our most popular epoxy resin, an excellent general purpose epoxy resin. Casting for Art, Jewelry, Crafts, river tables, live edge slabs, and art casting. A:B=3:1 by weight, Maximum casting thickness of 3-5cm
Deepour21	The Best DEEP Pour Epoxy, for river tables, live edge slabs, and art casting, A:B=2:1 mix by weight, Slow heat cycle, slow epoxy exothermic reaction prevents crack- ing and shrinkage from excess heat, Maximum cast- ing thickness of 4-7 cm
Super- CAST11	Epoxy resin for Coating, and Casting small size Art, Jewelry, Crafts, etc. A:B=2:1 mix by volume.

PACKAGE:

1kg/bottle, 3.5kg/bottle





EPOXY RESIN

PHYSICAL PROPERTIES TEST @25℃	SUPERCAST 31	SUPERCAST 31 PRO	DEEPOUR 21	SUPERCAST 11
Hardness (Shore D)	70-80 D	80-85 D	80-87 D	70-80D
Mixing ration (by weight)	A:B=3:1 by weight	A:B=3:1 by weight	A:B=2:1 by weight	A:B=1:1 by volume
Color	A: Clear B: Clear	A: Ultra Clear B: Ultra Clear	A: Ultra Clear B: Ultra Clear	A: Ultra Clear B: Ultra Clear
Mixed Viscosity (cps)	500-800 cps	500-800 cps	500-800 cps	500-800 cps
Working time (Hours)	30-50 mins	30-50 mins	60-90 mins	20-30 mins
Curing time (Hours)	8-10 Hours	8-10 Hours	24-48 Hours	12-14 Hours
Specific Gravity	1.07	1.07	1.10	1.10
Maximum Mixed Volume	5 kgs	5-10 kgs	10-15 kgs	500ml-1000ml
Maximum Casting Thickness (cm)	1 cm	3 –5 cm	4-7 cm	2~3 CM
		Most Popular		





- **Thickening agent** For Thickening silicone for brush-able application
- **Fumed silica** A fine powder that can be added to polyurethane and silicone liquid rubber to thicken them for brush-on/lay-up applications.
- Platinum Cure Silicone Accelerator For speed up curing time
- **Tin Cure Silicone Accelerator** For speed up curing time
- **Retarding additive** For retarding cure speed
- Heat resistance additive For resisting chemical/heat burnout.
- **Pigments** For coloring silicone
- **Sisal fiber** Long, natural fiber that is a traditional reinforcement material for plaster.
- **Fabric** –Reinforcement Material for silicone molds
- Release agent







MOLD MAKING TOOLS

- Vacuum degassing machine
- Electric mixer
- Digital Scales



Vacuum degassing machine (B - Portable type)





Vacuum degassing machine

A - Industrial Use

B - Portable type Vacuum chamber Parameters								
Model		VC-2 (6L)	VC-3(12L)	VC-5(17L)	VC-6(24L)			
Volume		2 gallon	3 gallon	5 gallon	7 gallon			
CHAMBER SIZE(CM)		200X200	250X250	280X280	260X450			
Package Dimension	(CM)	28x28x28	32x32x32	35x35x35	35x35x52			
Weight	(KGS)	3.8	5.3	6.5	8.2			

B - Portable type Vacuum Pump Parameters

Single stage						Double stage			
Model		VP-1		VP-2		VP-3		2VP-2	
Voltage		110V	220V	110V	220V	110V	220V	110V	220V
		60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz
Pumping Rate	(CFM)	3	2.5	5	4.6	7	6	5	4.6
Ultimate Pressure	(PA)	5	5	5	5	5	5	0.3	0.3
Power	(HP)	1/4		1/3		1/2		1/2	
Oil capacity	(ML)	220		250		250		250	
Dimension	(CM)	26x11x24		29x12x24		31x13x26		29x12x24	
Weight	(KGS)	7		8.5		9		9	

HOW DO WE CONTROL THE QUALITY?

Super-Silicon Quality Control System



SHOWCASE



Contact Us

www.siliconerubber.ae www.super-silicon.com info@super-silicon.com Tel: +86 400 901 3224 Mobile/WhatsApp/Wechat +86-170 9724 3241 Add: Jida Industrial Area, Changping Town, Dongguan city, Guangdong, China

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