



SUPER SILICON
THE MOLD MAKING MATERIALS EXPERT

High-strength RTV-2 Silicone Mold Rubber

Brushable Silicone

Tin base

T-Brush Series



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SUPERSIL MATERIALS CO., LTD

Dongguan, China



Super-Silicon

Description

T-Brush series 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, which exhibits excellent tear strength, long library life, and accurate detail reproduction.

Brushable 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.

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

Key features

- Brushable application.
- High-strength, improved 18% than competitors.
- 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..



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 Catalyst: Pink/Red/Blue /Green	Silicone: White Catalyst: Pink/Red/Blue /Green	Silicone: White 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%

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.
2. Before large production, a small-scale test is recommended.
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.

Package

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

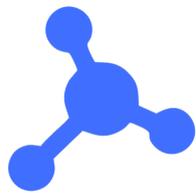


Storage & shelf-life

12 months, should be stored in original, unopened containers between 15 and 25°C.

Always tightly reseal containers after use. Air, moisture or other contamination causes a reduction in reactivity over time, out of direct sunlight and away from direct sources of heat.





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