



SUPER SILICON
THE MOLD MAKING MATERIALS EXPERT

High-strength RTV-2 Silicone Mold Rubber

High flowability, pourable

Tin base

T-Flow Series



TALK TO US

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SUPERSIL MATERIALS CO., LTD

Dongguan, China



Super-Silicon

Description

T-Flow 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.**

It is easy to mix and de-air, and will cure at room temperature over virtually any surface.



Key features

- High flowability, Pourable
- High-strength, improved 18% than competitors.
- High elasticity, for easy removal of, complex replica parts
- Less shrinkage
- Outstanding release properties
- Can be made thixotropic (non-flowable) for vertical surface replication



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



Physical Properties Test @25°C	T-Flow 10	T-Flow 15	T-Flow 20	T-Flow 25	T-Flow 30	T-Flow 35
Hardness (Shore A)	10A	15A	20A	25A	30A	35A
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	Silicone: White Catalyst: Pink/Red/Blue /Green	Silicone: White Catalyst: Pink/Red/Blue /Green	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%

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

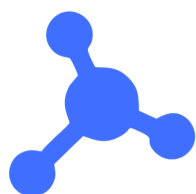


Storage & shelf-life

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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