

SureSil

LIQUID SILICONE RUBBER



LIQUID PRECISION, SOLID TRUST.



Medical & Food grade 6 series

Characteristics

- Amazing fluidity and easy to operate
- Platinum-based, food-grade silicone (environmental friendly, odorless and non-toxic)
- Delicate design available
- Mixing ration 1:1, easy to mix
- Easy de-molding, won't damage the original CNC modeling
- Excellent tension and tear strength
- Shrinkage is almost zero (below 0.1)
- Excellent resistance to weather, temperature, aging, acid and aging-proofing.
- High resistance to high temperature and aging(resist -60℃ to 250℃)

Application

- concrete/cement/artificial stone products, plaster line/conics, concrete stamping, garden statues, plaster window decoration, GRC/GRFC products, furniture, roman column mold making, etc. food related products mould, such as chocolate, candy, cake, butter, fondant, butter, ice statues, cookies, etc.
- This kind of platinum cure silicone rubber with a low hardness, and in food grade with FDA certificate, so it is suitable to make food related products mould, such as chocolate, candy, cake, butter, fondant, butter, ice statues, cookies, etc.

Package size

1 kg

5 kg

25 kg

50 kg

Technical Parameters (6 series)

Model Number	600	605	610	615	620	625
Mixing Ratio	1:1	1:1	1:1	1:1	1:1	1:1
Appearance / Colour	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent
Hardness (Shore A)	0±2	5±2	10±2	15±2	20±2	25±2
Mixed viscosity (mPa.s)	1700±500	4000±500	1300±500	1400±500	2000±500	2000±500
Working Time	30~40	30~40	30~40	30~40	30~40	30~40
Curing Time	3~5	3~5	3~5	3~5	3~5	3~5
Tensile Strength (mPa)	≥1.8	≥2.2	≥3.8	≥3.8	≥5.1	≥5.5
Tear Strength (KN/m)	≥3.2	≥12.5	≥13.6	≥14.2	≥21.5	≥22.0
Shrinkage %	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Elongation at break %	≥700	≥500	≥700	≥500	≥500	≥400