

Prototyping Silicone

Product Description:

Prototyping Silicone is great to make rapid prototyping molds either with simple or intricate patterns. Rapid Prototyping is a method to create a original models or functional parts quickly from your design to an real item. When you draw a CAD and create a new model by stereolithography or other 3-D printing process. It can be duplicated by Prototyping silicone to make a mold and cast parts. Now, it can prototyping silicone is wildy used for car model, toys model, parts model, plane model, phone molding etc.



Appearance:

Part A: an non-toxic and odorless liquid in translucent color with platinum inside

Part B: an non-toxic and odorless liquid in translucent color.

ATT: We do any curing time as you requirements



Features:

- ✧ Amazing fluidity and easy to operate
- ✧ Platinum-based, food-grade silicone (environmental, odorless and nontoxic)
- ✧ Delicate design available
- ✧ Mixing ratio: 1:1 for easy mixing ration
- ✧ Easy de-molding
- ✧ Excellent tension and tear strength
- ✧ High performance in duplication
- ✧ No shrink on cure
- ✧ Excellent resistance to weather, temperature, aging, acid & aging-Proofing.
- ✧ High resistance to high temperature and aging(resist -60 to 250°C)

Model Code: J830, J835, J840

Technical Data:

Notes: The data are based on the operation under room temperature of 25 °C.

Typical general characteristics	Inspection Method	Value		
Product data (Catalyzed A+B)		J830	J835	J840
Hardness	Shore A	30±2	35±2	40±2
Mix Ratio	A:B	1:1	1:1	1:1
Color	/	Translucent	Translucent	Translucent
Pot life	25 °C (77F)	20-40mins	20-40mins	20-40mins
Curing time	25 °C (77F)	3- 5hrs	3- 5hrs	3- 5hrs
Viscosity	mPa.s	8000±2000	8000±2000	9000±2000
Tear-Strength	kg/cm	≥24	≥22	≥22
Tensile -Strength	Mpa	≥6.8	≥6.8	≥6.8
Elongation	%	≥450	≥450	≥400
Shrinkage	%	≤0.1	≤0.1	≤0.1

Packing:

Part A : 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in white color

Part B: 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in sky blue color



Storage & Shelf Life:

1Year at least, stored in a cool and dry place under room temperature 25℃

Operation Method:

Both Pouring or brushing operation methods for our rapid prototyping molds silicone are available. You can chose the best one as your preference, we can provide thixotropic agent for Brushable.



Caution - Safety First !!!

1. Read the material safety data sheet(MSDS) before use.
2. Keep Out Of Reach Of Children.
3. Be careful. Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15mins and seek immediate medical attention. Remove from skin with water-less hand cleaner followed by soap & water.

