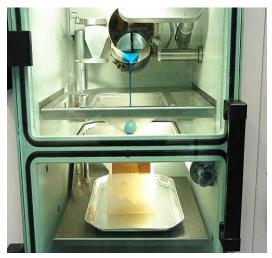


# **Prototyping Silicone**

### **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 wildly used for car model, toys model, parts model, plane model, phone molding etc.

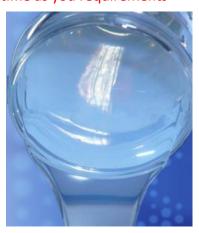




#### Appearance:

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



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#### Features:

- ♦ Amazing fluidity and easy to operate
- ♦ Platinum-based, food-grade silicone (environmental,odorless and nontoxic)
- ♦ Delicate design available
- ♦ Mixing ration: 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  $^{\circ}$ 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	Мра	≥6.8	≥6.8	≥6.8
Elongation	%	≥450	≥450	≥400
Shrinkage	%	≤0.1	≤0.1	≤0.1

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# 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





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### Storage & Shelf Life:

1Year at least, stored in a cool and dry place under room temperature  $25^{\circ}$ C

### **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.



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