

## Resin Casting Silicone

### **Product Description:**

Resin Casting Silicone is wonderful to make molds either with simple or intricate patterns, such as resin craft, artificial jewelry, resin arts, resin vase, resin flower pots etc. With good resistance to heat, deformation, acid & alkali and expansion, finished silicone molds serve very good performance in reproduction process with every fine detail on designing models.



### **Appearance:**

Part A: **Silicone Rubber** is a white liquid

Part B: **Catalyst** is a non-toxic and odorless liquid in transparent color.

**ATT:** we can provide catalyst of **Fast, Medium, Slow** for hot, cold, warm season.



**Features:**

- ✧ Amazing fluidity and easy to operate
- ✧ Delicate design available
- ✧ Non Oily
- ✧ Non-toxic and odorless catalyst Provided
- ✧ Easy de-molding
- ✧ Excellent tension and tear strength
- ✧ High performance in duplication
- ✧ almost nil shrinkage below 0.2
- ✧ Excellent resistance to weather, temperature, aging, acid & aging-Proofing.

**Model Code:** S815, S820, S825, S830

**Technical Data:**

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

Typical general characteristics	Inspecti on Method	Value			
		S815	S820	S825	S830
Product data (Catalyzed A+B)					
<b>Hardness</b>	Shore A	15±2	20±2	25±2	30±2
<b>Mix Ratio</b>	A:B	100:3	100:3	100:3	100:3
<b>Color</b>	/	White	White	White	White
<b>Pot life</b>	25 °C (77F)	30-50mins	30-50mins	30-50mins	30-50mins
<b>Curing time</b>	25 °C (77F)	3- 5hrs	3- 5hrs	3- 5hrs	3- 5hrs
<b>Viscosity</b>	mPa.s	8000±3000	14000±3000	15000±3000	21000±3000
<b>Tear-Strength</b>	kN/m	≥22	≥26	≥28	≥28
<b>Tensile -Strength</b>	MPa	≥3.8	≥4.5	≥4.8	≥4.8
<b>Elongation</b>	%	≥500	≥500	≥500	≥450
<b>Shrinkage</b>	%	≤0.2	≤0.2	≤0.2	≤0.2

**Packing:**

**Part A for silicone:** 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing.

**Part B for catalyst:** 30g, 50g, 100g, 150g, 200g, 250g, 1kg.



**Storage & Shelf Life:**

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

### **Operation Method:**

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



### **Caution - Safety First !!!**

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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.

