

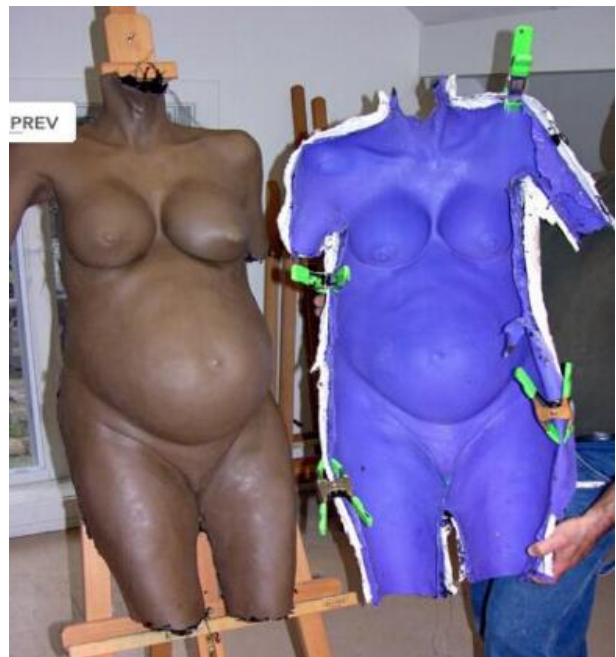
Technical Data Sheet

Lifecasting / Body Double Silicone Rubber

1. DESCRIPTION

BBN L2 series lifecasting silicone is also call body double silicone which is a kind of liquid RTV-2 platinum cured mould making silicone rubber with two parts while part A is the silicone rubber and part B is the curing agent.

Lifecasting silicone is environmental friendly, nontoxic and odorless, skin safe, no side effects to human body. It is ideally for making artificial limbs, body double products, special make-up effects, medical training aids and casting for museums and everything you can image for humans.



2. APPEARANCE

Part A: Non-toxic and odorless liquid in translucent color.

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

ATT: We do any colors as you requirements.

3. FEATURES

- ☆ Platinum cured (environmental, odorless and nontoxic), skin safe
- ☆ Proper viscosity to be brushed, easy to operate & de-mold
- ☆ Good tear and tensile strength
- ☆ Excellent resistance to weather, temperature, acid and alkali
- ☆ Nil shrinkage rate ($\leq 0.1\%$)
- ☆ Durable and high duplication times
- ☆ High resistance to high temperature & aging (resist -60 to 250°C)

4. PARAMETERS

Model No.	L220	L225	L230
Mixing Ratio (by weight)	1:1	1:1	1:1
Appearance/Color	Translucent	Translucent	Translucent
Hardness (Shore A)	20±2	25±2	30±2
Mixed viscosity (mPa·s)	Brushable	Brushable	Brushable
Working Time (at 25°C/77 F, MINS)	20	20	20
Curing Time (at 25°C/77 F, HRS)	1~2	1~2	1~2
Tensile strength, Mpa	≥1.5	≥2.5	≥3.5
Tear strength, KN/m	≥2.5	≥3.5	≥4
Shrinkage, %	≥18	≥20	≥22
Elongation at break, %	≥500	≥450	≥400

Notice: We can adjust other viscosity and curing time according to your needs.

5. HOW TO USE

1) Mixing

Use a scale, dispense the parts A and B according to the ratio 1:1 into a clean container and mix them thoroughly. Vacuum degassing is suggested to eliminate any entrapped air in liquid rubber.

2) Brushing

Brush the silicone rubber on the surface of the original products. Start to brush one more layer when the previous layer starts to cure till it gets to the thickness you need.

3) Curing

BBN L2 series silicone rubber will cure at room temperature(25 °C). High temperature will reduce cure time, low temperature will increase the cure time or result in uncured.

6. NOTICE

1) Read the material safety data sheet(MSDS) before use.

2) Keep Out Of Reach Of Children.

3) Use only with adequate ventilation and avoid contact with eyes and mouth. In case of eye contact flush thoroughly with water. If irritation persists gets medical attention.

4) Please avoid the lifecasting silicone rubber contacting or mixing with following materials in case of cure inhibition.

☆ Liquid condensation silicone (condensation silicone not completely cured or organic tin compounds) ;

☆ N, P, S organic compounds;

☆ Ionic compounds of elements such as Sn, Pb, Hg, As, etc;

☆ Contains alkynes and polyvinyl compounds.



7. PACKAGE

1) General size packages: 5kg/pail, 20kg/pail, 25kg/pail, 200kg/pail

8. MOLD PERFORMANCE

The physical life (duplication times) of the mold depends on how you use it (materials cast, frequency, etc). Before storing, the mold should be cleaned with a soap solution and wiped full dry.

9. TRANSPORTATION AND STORAGE

1) Lifecasting silicone rubber is non-toxic, odorless, non-flammable, noncorrosive harm, can press the non-dangerous goods and shipping.

2) Shelf life would be ten(10) months when stored under dry and cool place by original package under 25°C well preserved.