



ADVANCE MOULDING CHEMICALS SDN. BHD.

(Reg. No. 501739-D)

No. 8, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning,
40460 Shah Alam, Selangor Darul Ehsan.

Tel: 603-5122 9500, 5122 9510 Fax: 603-5122 9499 E-mail: amcmysb@advancem.com.my

1.2 Platinum-cured Molding Silicone

Product Description:

Platinum-cure molding silicone is a two-part-kind liquid silicone, which belongs to food-grade silicone, can be cured at room temperature, and mainly used for mold making of food-grade molds, jewelry casting, tire molding, rapid prototyping, vacuum foaming. It also suits any condensation silicone's application for molding, etc. With appropriate hardness, good tensile and tear strength, and excellent resistance to deformation, finished silicone molds have not only a durable life but also good performance.





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Appearance:

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

Part B: a non-toxic and odorless liquid with translucent color.

ATT: We can do any curing time as your requirements.



Features:

- ✧ 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
- ✧ Excellent tension and tear strength
- ✧ High performance in duplication
- ✧ 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°C to 250°C)

Operation Method:

1. Stir part A (100g) and part B (100g) with 1:1 mixing ratio evenly. Then get the mixture for vacuum-pumping. (If there is no vacuum machine, you can just pour the mixture slowly from the corner so that less bubbles caused)
2. Enclose the product (the original model) with four plastic plates or wooden plates.
3. Clean your products and brush a layer of release agent (detergent or soap water) on your product.
4. Pour the mixture into the model frame with correct mixing ratio.
5. After about 3 to 5 hours, when the silicone is cured, remove the original model, and then you get a finished addition cured silicone mold.



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Technical Data:

- Notes:** 1. The data are based on the operation under room temperature of 25°C.
2. The data-sheet of viscosity, hardness, working time, curing time can be adjusted according to your requirement.

Model Code: J820, J825, J830, J835, J840, J850, K710, K715, K720, K725

Model Code	Hardness Shore A	Mix Ratio	Color	Pot life 25 °C (min)	Curing time (hrs)	Viscosity mPa·s	Tear Strength KN/m	Tensile Strength MPa	Elongation %	Shrinkage %
J805	5±2	1:1/10:1	Trans-lucent	20~40	3- 5	1500±500	≥12	≥2.2	≥500	≤0.1
J810	10±2	1:1/10:1		20~40	3- 5	3000±2000	≥15	≥4.2	≥450	
J815	15±2	1:1/10:1		20~40	3- 5	4000±2000	≥25	≥5.2	≥450	
J820	20±2	1:1/10:1		20~40	3- 5	4500±2000	≥26	≥5.2	≥500	
J825	25±2	1:1/10:1		20~40	3- 5	5000±2000	≥24	≥6.2	≥500	
J830	30±2	1:1/10:1		20~40	3- 5	6000±2000	≥24	≥6.8	≥450	
J835	35±2	1:1/10:1		20~40	3- 5	7000±2000	≥22	≥7.2	≥450	
J840	40±2	1:1/10:1		20~40	3- 5	8000±3000	≥20	≥7.8	≥450	
J850	50±2	1:1/10:1		20~40	3- 5	12000±3000	≥15	≥7.2	≥400	
K710	10±2	1:1/10:1	Clear	20~40	3- 5	6000±2000	≥8	≥1.7	≥600	≤0.1
K715	15±2	1:1/10:1		20~40	3- 5	8000±2000	≥10	≥2.2	≥600	
K720	20±2	1:1/10:1		20~40	3- 5	10000±3000	≥12	≥3.2	≥600	
K725	25±2	1:1/10:1		20~40	3- 5	12000±3000	≥12	≥3.2	≥550	
Z238	38~40	10:1		60min	30/80°C 15/100°C 10/120°C	40000~60000	≥23	≥4.0	≥300	