

### INTRODUCTION

GLT - 3080 addition cure silicone gel is viscous, transparent liquid with low viscosity, and belongs to two-component addition cure silicone rubber. After mixing the part A and part B at a mix ratio of 1:1, it cures at room temperature or by heating and becomes gel-like elastomer. This silicone rubber is used for the surface of poly-carbonate (PC), PP, ABS, PVC and metal, etc. The curing reaction does not generate heat or any by-products.

### APPLICATION

This product is mainly used for positioning gel pad, sealing of frame high efficiency particulate air filter (HEPA filter), optical electronics, LCD manufacturing, precision electronic components. It is also for bonding and sealing of air filters, high temperature bake oven, induction cooker and other heating equipme

### FEATURES

- Environment-friendly, odorless and nontoxic, not generate by-products
- Low viscosity, easy to pour
- Good self-leveling and softness
- Non oily
- Excellent adhesion property for most materials
- Excellent electrical properties suitable for sealing and waterproof of electrical and electronic devises
- Resistance to weather, high and low temperature, corrosion, moisture
- Cure at room temperature or by heating
- Shrinkage is almost zero

### TYPICAL PROPERTIES

| Typical general characteristics | Inspection method | Value                              |                                    |
|---------------------------------|-------------------|------------------------------------|------------------------------------|
|                                 |                   | A                                  | B                                  |
| Product data (Catalyzed A+B)    |                   | A                                  | B                                  |
| Mixing ratio                    | A:B               | 1:1                                | 1:1                                |
| Colour                          |                   | Transparent                        | Transparent                        |
| Pot life                        | 25°C (77F)        | 60~120mins                         | 60~120mins                         |
| Curing time                     | 25°C (77F)        | 8~12h                              | 8~12h                              |
| Viscosity                       | mPa·s             | 500±300                            | 500±300                            |
| Thermal conductivity            | W/(m·k)           | 0.2~0.3                            | 0.2~0.3                            |
| Volume resistivity              | (Ω·m)             | 10 <sup>13</sup> ~10 <sup>14</sup> | 10 <sup>13</sup> ~10 <sup>14</sup> |
| Flame-retardant level           |                   | V-2                                | V-2                                |
| Shrinkage                       | %                 | ≤0.1                               | ≤0.1                               |

## APPEARANCE

Part A: a non-toxic and odorless liquid in transparent with platinum inside.

Part B: a non-toxic and odorless liquid in transparent.

## OPERATION METHOD

1. Stir part A 100g and part B 100g with 1:1 mixing ratio evenly.
2. And get the mixture for vacuum-pumping. (If there is no vacuum machine, you can just pour the mixture slowly from the edge so that less bubbles generate).
3. Pour the mixture with correct mixing ratio into your product.
4. After 8~12 hours, it will cure. Note: The time for vacuum-pumping should be less than 3~5 min, otherwise, if the silicone gel has cross-link reaction during vacuum, it will not be operated.

## CAUTION

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 15 mins and seek immediate medical attention. Remove from skin with water-less hand cleaner followed by soap & water

## PACKAGE SIZE

1kg, 5kg, 20kg, 25kg, 200kg

## STORAGE & SHELF LIFE

1 year at least, store in a cool and dry place under room temperature 25°C.

Attention:

This silicone gel is platinum cure silicone, which is very easy to cause cure inhibition, so please do remember to clean thoroughly the model and tool before operation. Besides, please avoid the liquid J-series or R-series silicone contact or mix with the following material, otherwise the silicone won't cure:

1. Liquid condensation silicone (condensation silicone not completely cured or organic tin compounds).
2. Sulphur, sulfide and sulfur rubber materials.
3. Amine compounds as well as contains the amine materials.
4. Pewter solder