TJ 2213 Acrylic Resin

Introduction

Acrylic resin agent is a resin glue composed of powder and liquid, that is, composed of acrylic powder and liquid curing agent. The acrylic powder is white powder, the curing agent is colorless to light green transparent liquid. After mixing the curing agent and acrylic powder for 10-15 minutes at room temperature (20-25°C), it can be cured into a transparent or translucent hard material, and the material can be ground and polished. It has the advantages of low heat release, small thermal shrinkage, good weather fastness and good wear resistance. It is suitable for permanent specimens and micro slicing mounting material for circuit board and metalworking industry.



Features

1. Fast curing, stable, high transparency;
2. Low viscosity, excellent flow properties;
3. Excellent permeability to small pores and depressions;
4. Good support for the slices after curing;
5. Sufficient hardness and toughness after curing;
6. Sufficient brightness after polishing;
7. Low shrinkage before and after mounting;
8. Suit with all currently known soft or hard plastic molds;
9. Low exotherm, peak temperature <73°C (20g, room temperature 20-22°C).

Safety measures

1. Avoid contact with resins, hardeners (slightly corrosive) and mixed acrylic resins. Wear protective nitrile gloves and protective clothing when handling acrylic resin. If you have resin, hardener, or mixed acrylic resin on your skin, remove it as soon as possible. Resin is not water soluble - use waterless skin cleanser to remove resin or mixed acrylic resin. Hardener is water soluble - use soap and warm water to wash the hardener off the skin. After using acrylic resin, please wash thoroughly with soap and warm water. If you spill acrylic resin mixture on your clothes, change it immediately.

2. Protect eyes from resins, hardeners and mixed acrylic resins.

3. Resin may generate dense vapors after mixing, avoid inhalation. Mounting experiments should be performed in a well-ventilated environment such as a fume hood.

4. Avoid eating acrylic resin by mistake. Wash hands thoroughly after using acrylic, especially before eating or smoking.

5. Acrylic powder is a flammable substance, and curing agent is a flammable substance. Neither of them should be placed near fire sources, steam, direct sunlight, or mixed with other organic solvents.

6. Acrylic powder and hardener must be stored separately to avoid chemical reactions.

Mixing ratio

It is important to use the correct and accurate mixing ratio, therefore it is recommended to use the weight method of measurement. The mixing ratio of different products is shown in the table below:

Product	TJ2213
Part A	resin powder
Part B	hardener, liquid
A:B (w/w)	10:8
Operation time	3~5min
Mounting time	10~15min
Peak temperature	60℃
Hardness（Shore D）	79
Edge Protection	Good
Characteristics	High transparency, good flow and permeability, especially suitable for PCB and other electronic components

For faster mounting speed, the modulation ratio should be controlled at 10:6~10:8. In order to obtain better filling performance and flowability, the ratio of mounting agent can be appropriately increased to more than 10:8, but the mounting time will be extended accordingly.