

TJ 2210 Acrylic resin cold mounting material



一、Introduction

Acrylic resin agent is a resin glue composed of powder and liquid, that is, composed of acrylic powder and liquid curing agent. It is composed of metallographic acrylic powder and metallographic curing agent. Mix the curing agent with acrylic powder at room temperature (20-25℃), and it can be cured into a transparent hard material after 10-15 minutes, 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 making permanent specimens and micro-slicing materials for circuit boards and metalworking industries.

二、Features

- *Fast curing, stable, high transparency;
- *Low viscosity, excellent flow properties;
- *Excellent permeability to small pores and depressions;
- *Good support for the slices after curing of the slices;
- *Sufficient hardness and toughness after curing;
- *Sufficient brightness after polishing;
- *Low shrinkage before and after curing ;
- *Suit with all currently known soft or hard plastic molds;



*Low exotherm, peak temperature <73°C (20g, room temperature 20-22°C)

三、Appearance

Acrylic Powder: White powder.

Curing Agent: Colorless to pale green transparent liquid.

四、Instructions

Mix the acrylic powder and the curing agent in a weight ratio of about 1:0.6-1.0, stir slowly (to avoid the generation of artificial bubbles), and then inject into the mold, and wait for it to fully solidify. The curing time is about 10 to 15 minutes. This product contains defoamer. If it is used properly, there will be no bubbles.

Operating temperature (°C): 20°C--25°C

Suggested component ratio (weight ratio) Acrylic powder: curing agent = 1: 0.75

To obtain a faster curing speed, the modulation ratio should be controlled at 0.6-0.7. The proportion of curing agent can be appropriately increased to more than 0.8, but the curing time will be extended accordingly.

五、Technical indicators

Project	Shrinkage	Transmittance	Brinell hardness (kg/mm ²)	Impact strength (kg.cm/cm ²)	Abrasion resistance
Data	≤2%	≥93%	≥12	≥5	excellent

六、Packaging

Powder: 1.0KG/barrel, 2.5KG/barrel

Liquid: 0.8 L/barrel, 2.0 L/barrel

七、Shelf life and storage

Acrylic resin powder: 12 months

Acrylic hardener: 12 months

八、 Safety Precautions

1. Do not inhale too much steam, must operate in a well-ventilated room; do not encounter open flames during operation.
2. Both should be stored in a cool, dry and ventilated place. Sun exposure, fire and other organic solvents are strictly prohibited.
3. Acrylic powder and hardener must be stored separately to avoid chemical reaction.