

## 4030A/4030B Domes Resin

### I characteristics

Our East-Grace domes polyurethane resin is a two-component, room temperature curing product. It doesn't contain solvents or any other volatile materials. It produces a clear, attractive and protective coating. The thickness is about 1.5~2 mm with three-dimensional effect. Our products can be widely used in producing various kinds of label, nameplates as well as decorations. What's more, because of its excellent resistance to weathering and ultraviolet light, our resin satisfies the strict requirements of auto industry. The outdoor use resin is guaranteed against yellowing when exposed to sunlight for a period of three years at least.

### II components

4030A is polyisocyanate, 4030B is polyalcohol, no matter curing by machine or by hand, the products can meet customer's requests of different hardness, curing time and viscosity.

### III before curing

Item	Condition	4030A	4030B
Appearance	Observe	Colorless transparent or yellow liquid	Colorless transparent or light yellow ropy liquid
Viscosity	25°C mpa · s	900±200	300±100
Density	25°C g/cm <sup>3</sup>	1.13±0.05	1.05±0.05
Storage	25°C, sealed	6 months	6 months

### IV working process

Here the techniques can be divided into two kinds: by hand and by machine, the former one cures longer than the later one.

#### 1、by hand

- a、Keep 4030A/B in the room with the temperature of 15~25°C and the humidity < 70% for 24 hours before use. 4030A may rime in low temperature, please warm up to 30~40 °C till it turns to clear liquid
- b、Put label on the worktable and fix with adhesive tape.
- c、Clean the dust and dirt on the label
- d、Weigh 4030A/B correctly, the weight ratio is 100: 55. Stir them adequately.
- e、Vacuum the mixture to de-bubble
- f、Inject on the surface of label
- g、make the liquid all around the surface with needle, and break the bubble
- h、Put the label in the clean room of 15-25°C and humidity <70% for 24 hours

#### 2、by machine

- (1) Keep 4030A/B in the room with the temperature of 15~25°C and the humidity < 70% for 96 hours before use to eliminate bubbles
- (2) Put the pump respectively into 4030A and 4030B, sealed and fixed, leave them still.
- (3) Put label on the worktable and fixed with adhesive tape.
- (4) Clean the dust and dirt on the label
- (5) wash blender, pipe and injecting pinhead with dichloromethane
- (6) inject 4030A/B into the machine in advance to eliminate bubbles from blender, pipe and injecting pinhead
- (7) inject on the surface of label
- (8) make the liquid all around the surface with needle, and break the bubble
- (9) Put the label in the clean room of 15-25°C and humidity <70% for 24 hours

V ration

4030A/B=100: 55 ± 3 by weight

VI after curing

Item	Condition	4030A: 4030B
Appearance	Observe	Colorless, clean and slick
Hardness	Shore-A	80±10
Elongation strength	MPa	>20
Elongation at break	%	>200

VII Package

Packaged in metal drum of 20KG, 50KG or 200KG

VIII cautions

1. Not belong to dangerous goods, can be delivered as common ones
2. Store it at the cool and dark place(15-25℃ humidity<70%)

Weigh up 4030A/B correctly and stir them adequately. Pot life may shorten if the amount is more than 100g.

**Note: the data above are typical tested at relative humidity of 70% and a temperature of 25℃. They are just for reference. We cannot guarantee all the listed data will be reached under specific test conditions. When applying the product, the customers should use data obtained through their own testing.**