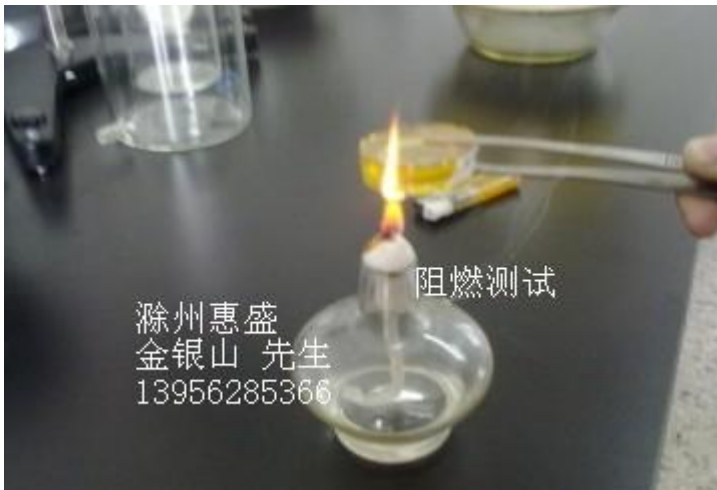


4050A/B Polyurethane casting system



I、Brief instruction

4050A/B is two-component PU casting system, it has excellent low temperature properties, good electric properties, water resistance and low water absorption.

II、Product data:

| Item | | Unit or condition | 4050A/B |
|-------------------|-----|------------------------|--------------------------------|
| Appearance | A | Visual | Light yellow liquid |
| | B | | Pale yellow transparent liquid |
| Viscosity | A | 25°C mPa · s | 350±50 |
| | B | | 110±10 |
| | A+B | | 200±50 |
| Density | A | 25°C g/cm ³ | 1.15±0.05 |
| | B | | 0.95±0.05 |
| Pot life | | 25°C min | 20~40 (to10000mPa · s) |
| Mixing proportion | | Weight proportion | A : B=100 : 100 |
| Curing schedule | | °C/h | 60°C/3h or 25°C/24h |
| Shelf life | | R.T.Sealed | 6 months |

III、Properties of cured system:

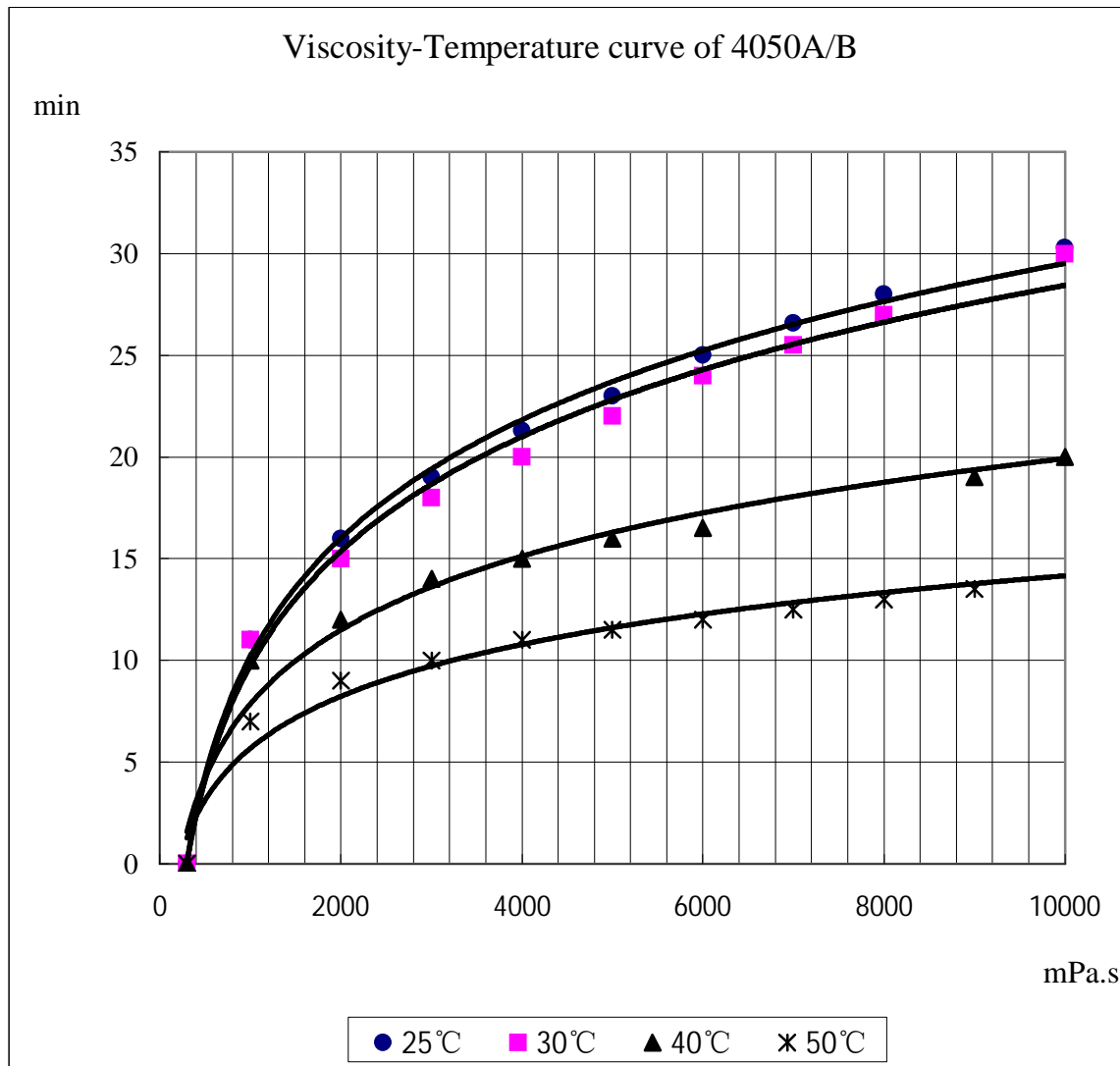
| Item | Unit or condition | 4050A/B |
|---------------------|-------------------|-------------------|
| Hardness | Shore-A | 45±5 |
| Volume resistivity | 25°C, Ω · cm | >10 ¹³ |
| Water absorption | 24hrs, 25°C, % | <0.3 |
| Insulation strength | 25°C, kV/mm | >20 |
| Tear elongation | % | >150 |
| Combustibility | UL94 V-2 | equivalent |

IV、Application:

Used for casting of electric units such as electrical portfire controller、 IC board etc.

V、Work method:

1. Porheating: The units proheat at 70~80℃ for 1~2h to remove humidity;
2. Mixing: Weight A and B by mix ratio and mix throughly;
3. Degassing: Degas the mixture by vacuum;
4. Casting: Cast the degassed mixture into the preheated units.



VI、Points to note

[Control and Protective measures]

| | |
|---------------------|--------|
| Protective clothing | needed |
| Protective gloves | must |

Raglan sleeves needed when skin contact exist

Goggles needed

Gas mask/Dust proof cover not needed

[Skin protection]

Before applying use ointment on naked skin

After applying use protect oil or nutrient oil

Cleaning of contacted skin wipe the material from skin with absorbent paper then wash with warm water and alkali-free soap ,do not use solvent.

[Workplace cleaning]

Cover the worktable with light colour paper, use one-off beaker.

[Accidental release measures]

Soak up with waste cotton or saw dust and deposit in plastic-lined bin

[Ventilating measures]

Workshop Ventilate often

Workaround Equipped with ventilator ,avoid breathing in the vapor

VII、Packaging:

Component A: 20 Kg Metal container Component B: 20 Kg Container ;

U Note:

The data above are typical tested at a relative humidity of 70 % and a temperature of 25°C. They are just for customers' reference. We cannot wholly 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.