

## AT6070A/AT6070B Laminating Polyurethane Adhesive

(Alcohol based and High-strength)

### Description

AT6070A/B is an alcohol based two-component polyurethane adhesive with high-strength performance, widely used in laminating of various treated film like BOPP、PET、PA、PE、CPP、AL foil、etc .

### Declaration

OCHEM AT6070A/AT6070B 2-component alcohol base polyurethane adhesive are in compliance with the positive lists of the following, internationally accepted guidelines for the production of articles intended to come into indirect contact with food stuff.

- EU RoHS directive (EU) 2015/863 amending Annex II to directive 2011/65/EU
- CFR, title 21, § 175.105 of the FDA, Washington D.C., respectively
- Regulation (EC) No 1907/2006 concerning the REACH

As an indirect contact material in food and drugs packaging industry, OCHEM AT6070A/AT6070B are definitely suitable to make the film laminating for food packaging and doesn' t contain any noxious, destructive and harmful material to human health.

### Technical Properties

These properties are typical but do not constitute specifications.

Item	AT6070A	AT6070B
Type	Main agent	Hardener
Appearance	Light yellow transparent liquid	Light yellow transparent liquid
Solid Content(%)	70±2	70±2
Viscosity (mPa.s20°C)	6000±3500	17±5
Solvent	Alcohol, Ethyl acetate	Ethyl acetate
Specific gravity	0.93-0.97	0.93-0.97
Mix Proportion	6	1
Shelf life	360days	360days

### Typical Features:

- High bonding strength.
- Suitable for middle and high-speed dry laminating machine.
- The packaging films laminated by AG6070A/B offer high bonding and peeling strength, specially suitable for products which need high-strength.

### Recommended Operating Conditions

◆	Application Method	Direct gravure
◆	Application Cylinder	100-200 line (65-80 line per cm)
◆	Application solids	20-35% (Recommend 30%)
◆	Pot Life	Static 8 hours approximately

- ◆ Dynamic 24 hours approximately
- ◆ Dry Coating Weight 1.5-3.0 gsm depending on structure
- ◆ Drying Section Temperature 55-65°C 65-75°C 75-85°C(three section)
- ◆ Laminating Temperature 50-80°C
- ◆ Cure Time 12 hours (40-50°C)
- ◆ Cleaning Solvent Ethanol

### Mix Ratio By Weight

Working Concentration	AT6070A	AT6070B	Alcohol(kgs)	Viscosity(Zahn cup#3/25°C)(s)
35	6	1	7.0	38.5
30	6	1	9.3	25.2
25	6	1	12.6	17.9
20	6	1	17.5	14.2

Solvent is isopropyl, modified methanol, ethanol, purification shall be up to 95%. Ethanol is the recommended solvent.

### Package

Pack in steel drum normally.

Main agent is 18kg/drum. Hardener is 3kg/drum.

### Safety & Storage

Store in cool, dry, well-ventilated area away from heat and ignition sources . Keep container tightly closed.

Refer to MSDS for more safety information

### Important notice

These documents we provided are made on the basis of our recent knowledge and experience, all these terms we mentioned are only suitable in normal condition and could be used as references. Please test and affirm before formal production or contact with our technician to some especial structures of films and stuffs packed, we do not take on any legal duty for these documents.