



TECHNICAL DATA SHEET

Solvent Based Polyurethane Adhesive

Product Name: Polyurethane Primary Form – Code: EH 8000A

Product Name: Polyurethane Hardener – Code: EH 8000B

Description:

EH8000A/EH8000B is an ethyl acetate solvent based two-component polyurethane adhesive in general purpose, widely used in laminating of various treated laminated films like OPP/CPP, OPP/met OPP, OPP/PE, PET/PE, CAP/PE, PET/CPP, AL/PE, AL/CPP

Technical Properties:

These properties are typical but do not constitute specifications.

Item	EH8000A	EH8000B
Type	Polyurethane Primary Form	Polyurethane Hardener
Ingredient	Polyester polyol agent	Isocyanate-terminated Polymer
Appearance	Light yellow transparent liquid	Light yellow transparent liquid
Solid Content (%)	75±2	75±2
Viscosity (mPa.s25C)	4000±1000	5500±2000
Solvent	Ethyl acetate	Ethyl acetate
Mix Proportion	1	1
Shelf life	360days	300days

Typical Features:

- High solid content and high transparency of laminated film. Especially suitable to laminate the packaging film with structural film/film and for vacuum bags
- High initial bonding strength, high transparent and good peeling strength, great flexible and anti-crumpling effect
- With great wettability to films, EH8000A/EH8000B have good working property.
- The film laminated by EH8000A/EH8000B can resist the Pasteurization.

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Recommended Operating Conditions:

- ◆ Coating Method Anilox roller or smooth roller
- ◆ Anilox roller mesh 100 -200 line (65-80 line per cm)
- ◆ Application solids 20 -40% (Recommend 30%)
- ◆ Dry Coating Weight 2.0 -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 36 hours (45 -55°C)
- ◆ Cleaning Solvent Ethyl Acetate

Mix Ratio by Weight:

Working concentration (%)	EG8000A(kgs)	EG8000B(kgs)	Ethyl Acetate(kgs)
20	20	20	110
25	20	20	80
30	20	20	60
35	20	20	46
40	20	20	35

Solvent is ethyl acetate, acetone, MEK, the water content should be less than 0.03%, the alcohol content should be less than 0.02%, Ethyl acetate is recommended.

Package:

Pack in steel drum.

Normally Primary Form is 20kg/drum. Hardener is 20kg/drum.

For Sample use Primary Form is 5kg/drum. Hardener is 5kg/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

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**Precautions:**

1. The LDPE and CPP films must be corona-treated with a surface tension greater than 38 mN/m. The PA film must be double-corona treated as an intermediate layer. The surface tension must not be less than 52 mN/m; the surface tension of the PET film must not be Less than 52 mN/m.
2. The temperature and humidity of the environment have a great influence on the time for storing the configured adhesive. It is recommended to arrange the adhesive in small quantities for a few times in high temperature and high humidity weather to avoid waste.
3. During the laminating processing, care must be taken to check and control the viscosity.
4. Residual adhesive: The remaining adhesive cannot be used in principle. If the amount of residual liquid is excessive, it shall be sealed and stored in cool place after dilution, which could be used as diluent for operation in next day, and a small amount shall be little by little added to the newly prepared adhesive solution. It cannot be used any more, if it appears cloudy, translucent or thickened.
5. The concentration and additives in the film have an influence on the bonding strength of the laminated film and must be selected before use.
6. Do not mix this product with other adhesives. If necessary, please consult our technical department.
7. Pay attention to fire prevention and static elimination.

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.

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