

EB2075A/EB2075B Laminating Polyurethane Adhesive

Description

EB2075A/EB2075B is a two-component polyurethane adhesive with wider applicability and higher performance, and a high initial bonding strength and a high peel strength. The film-to-film laminated films with this adhesive can withstand 100 ° C, 30 min boiled and sterilized, which can be used to make soft packaging bags that need vacuuming and boiled sterilization. It is suitable for aluminum foil, Paper, pre-treated BOPP, PET, NY, VMCPP, VMPET, CPP, PE film and other laminations at high concentration, which consumes few of solvent.

Technical Properties

These properties are typical but do not constitute specifications.

Item	EB2075A (OH component)	EB2075B (NCO component)
Ingredient	Polyester polyol agent	Isocyanate-terminated Polymer
Appearance	Light yellow transparent liquid	Light yellow transparent liquid
Solid Content(%)	75±2	75±2
Viscosity (mPa.s20)	3000±1000	2000±1000
Solvent	Ethyl acetate	Ethyl acetate
Mix Proportion	4	1
Shelf life	365days	365days

Recommended Operating Conditions

Application solids 35-50% (Recommend 45%)

Dry Coating Weight 3.0-4.5 gsm depending on structure

Drying Section Temperature 50-60°C 60-70°C 70-80°C (three sections)

Laminating Temperature 50-80°C

Cure Time 48+ hours (45-55)

Cleaning Solvent Ethyl Acetate

Mix Ratio By Weight

Working concentration %	EB2075A KGS	EB2075B KGS	Ethyl Acetate KGS
50	20	5	12.5
45	20	5	16.6
40	20	5	21.8
35	20	5	28

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.

Main agent is 20kg/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

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.

