

EG7075A/EG7075B Laminating Polyurethane Adhesive

(Ester based and general purpose)

Description

EG7075A/EG7075B is a 2-component aromatic polyurethane adhesive with high solid content and high transparency. It offers laminated films high initial bonding strength, high transparency, and high peeling strength, especially its excellent softness and wrinkle resistance. The laminated films has very good wetting properties and excellent coating processability, which is widely used in laminating of various treated film like BOPP、PET、NY、PA、PE、CPP、VMPET、VMOPP、VMCPP、AL、etc .

Declaration

OCHEM EG7075A/EG7075B 2-component ester 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 EG7075A/7075B 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	EG7075A (OH component)	EG7075B (NCO component)
Type	Main agent	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.s25°C)	4000±1000	2500±1250
Solvent	Ethyl acetate	Ethyl acetate
Mix Proportion	5	1
Shelf life	360days	360days

Recommended Operating Conditions

- ◆ Application Method Direct gravure
- ◆ Application Cylinder 100-200 line (65-80 line per cm)
- ◆ Application solids 20-40% (Recommend 30%)
- ◆ Pot Life Static 8 hours approximately
- ◆ Dynamic 24 hours approximately
- ◆ Dry Coating Weight 2.0-3.5 gsm depending on structure

◆ Drying Section Temperature	50-60°C 60-70°C 70-80°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 (%)	EG7075A(kgs)	EG7075B(kgs)	Ethyl Acetate(kgs)
20	5	1	16.5
25	5	1	12.0
30	5	1	9.0
35	5	1	7.0

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 4kg/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.