

EB4066A/EB4066B Laminating Polyurethane Adhesive

(EA based, structural plastic/plastic and steaming Grade)

Description

The adhesive has a certain resistance to media and corrosion resistance, especially for PE films with high additive content, offers excellent bonding strength, has wide range of product adaptability, which is suitable for laminating of PET, NY, CPP and PE. The adhesive is specially designed for food packaging which demands processing at 121°C/30min retorting in the laminating structural of plastic to plastic. The adhesive can obtain higher initial bonding strength and final bonding strength.

Declaration

OCHEM EB4066A/EB4066B 2-component ester based 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 SF9350A/SF9350HT 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	EB4066A (OH component)	EB4066B (NCO component)
Type	Main agent	Hardener
Ingredient	Polyester polyol agent	Isocyanate-terminated Polymer
Appearance	Light yellow transparent liquid	Light yellow transparent liquid
Solid Content(%)	66±2	75±2
Viscosity (mPa.s20C°)	4250±750	2500±1250
Solvent	Ethyl acetate	Ethyl acetate
Mix Proportion	5	1
Shelf life	360days	360days

Typical Features:

- Specialized to laminate the film which the contents require to be steamed at 121C° less than 30 minutes, EB4066A/B is used to produce the packaging film with structural plastic/plastic.
- High initial and final bonding strength, Good peeling strength.
- With a certain anti-medium and anticorrosive effect, good working property.
- It complied with US FDA 21CFR175.105.

Recommended Operating Conditions

◆	Application Method	Direct gravure
◆	Application Cylinder	60-150 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	3.5-4.0 gsm depending on structure
◆	Drying Section Temperature	50-60C° 60-70C° 70-80C°(three section)
◆	Laminating Temperature	50-80C°
◆	Cure Time	48-72 hours (45-55C°)
◆	Cleaning Solvent	Ethyl Acetate

Mix Ratio By Weight

Solid content(%)	EB4066A(kgs)	EB4066B(kgs)	Ethyl Acetate(kgs)	Viscosity(Zahn cup#3/25C°)(s)
35	5	1	5.6	22.0
30	5	1	7.5	20.0
25	5	1	10.2	14.8
20	5	1	14.3	12.6
15	5	1	21.0	11.5

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.