

HE8165 is solvent-based acrylic modified polyester polyol resin.

Characteristics

It is used to prepare solvent-based two-component coatings mixed with sealing isocyanates and amino resins. It can be used to prepare tempered glass baking paint, mobile phone touch screen printing ink, PET ink.

Delivery form

65% in DBE/BCS/PMA;

Product specifications

Solid Content: 63.0–67.0%

Viscosity (25°C, NDJ rotational viscometer): 3.0- 8.0 Pa.s

Color number ≤ 1# (Fe-Co)

Acid value 8.0-12.0 mgKOH/g

Appearance clear and transparent

The following items are not required:

flash point 25°C

density (20°C) 0.97-1.03 g/ml

Principal properties

High hardness and good toughness;

Good wettability to pigments;

Good adhesion;

Good butanone resistance.

Applications

It is mainly used in combination with Desmodur 3175, CYMEL 325 and 303 amino resins to prepare mobile phone touch screen silk screen baking paint and PET ink.

Compatibility with resins and solvents

HE1767	+	xylene	+	ethylene glycol monobutyl ether	+
HE1762	+	trimethyl benzene	+	glycol ether acetate	+
CYMEL325	+	butyl acetate	—	PMA	+
CYMEL303	+	cyclohexanone		IP	+

Note: + means soluble/miscible; ○ means partially soluble/partially miscible;

— means insoluble/incompatible.

Reference recipe

white paint		white paint	
HE8165	35	HE8165	35
titanium dioxide	45	titanium dioxide	45
BYK306	0.2	BYK-333	0.2
BYK052	0.1	BYK-052	0.1
DBE/IP	5.7	BCS	2.7
Z-6040	2	Z-6040	2
sealing isocyanates 3175	12	sealing isocyanates 3175	5
		CYMEL325	12

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature no more than 30°C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage condition, the shelf life of the resin will be 730 days after production.

For more than 730 days, the goods are still owned by ZOHO Company, the company's QC can make the corresponding extension of the shelf life after testing qualified.

Material safety

This product data sheet only applies to the latest version of Material Safety Data Sheet. Any updates to safety-related information that are consistent with legal requirements will only be reflected in the safety data sheet, at the same time the Sheet will be updated and published. Information on current classification and labelling, application and process methods, and more safety-related data can be found in the latest Material Safety Data Sheet.